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TRANSACTIONS

OF THE

Seventh International Congress of Hygiene and Demography.

LONDON, AUGUST 10TH–17TH, 1891.

Patron: H.M. THE QUEEN.

President: H.R.H. THE PRINCE OF WALES, K.G.

VOLUME XIII.

MISCELLANEA.

(SPECIAL MEETINGS, REPORTS, OFFICIAL LISTS, ETC.)

EDITED BY C. E. SHELLY, M.A., M.D.

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NOTE.

The last 128 pages of this volume (including the alphabetical list of authors and contributors to the Transactions and the reprints of the several tables of contents and indexes) will serve as a key to all the preceding twelve volumes. A sufficient indication of the class of subjects dealt with in any particular volume is afforded by its Title: a full list of the papers which it contains is comprised in its Table of Contents, and a more detailed reference is afforded by its Index; while, by consulting the Index of Authors and Contributors, it is possible to ascertain at once the place (volume and page) of the papers contributed to the Transactions and of the discussions taken part in by the several members of the Congress.

38710

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The Education and Registration of Plumbers.

(Special Meeting.)

At the Special Meeting held in the afternoon of Tuesday, the 11th of August, at Burlington House, in connexion with the Seventh International Congress of Hygiene and Demography, on the subject of "The Education and Registration of Plumbers in Relation to Public Health," Sir Douglas Galton (Chairman of Organising Committee of the Congress) presided. Among those who supported him were the Master of the Plumbers' Company (Mr. W. H. Bishop), the Lord Provosts of Edinburgh, Dundee, and Aberdeen, Sir Philip Magnus, Sir George Wycherley, Bart., M.D. (Cork), Sir D. Maclagan, M.D. (Edinburgh University), Sir Henry Acland, K.C.B., Dr. George Buchanan, medical officer, Local Government Board, Mr. P. Gordon Smith, architect, Local Government Board, Professor W. H. Corfield, M.A., M.D., Dr. J. Maxwell Ross, medical officer of health for the county of Dumfries, Professor Matthew Hay, M.D. (Aberdeen University), Dr. H. E. Armstrong, medical officer of health, Newcastle-on-Tyne, Professor Corby, M.D. (Cork), Professor G. F. Armstrong (Edinburgh University), Dr. Henry Tomkins, medical officer of health, Leicester, Alderman Evan Fraser (Hull), Councillor Kirtley (Sunderland), Mr. E. Hart, Mr. J. Smeaton, Dr. Whitaker, Mr. J. C. Bretland, Mr. W. J. Gilliland (Belfast), Mr. J. Wreghitt Connon, F.R.I.B.A., Mr. W. Braithwaite, Mr. R. Ossit (Leeds) and others.

The attendance was a large one, and among those present were representatives from the following towns in England and Wales: Birmingham, Bradford, Brighton, Bristol, Cardiff, Hull, Leeds, Leicester, Lincoln, Liverpool, Manchester, Newcastle, Nottingham, Plymouth, Preston, Sheffield, Southampton, Sunderland, Swansea. Scotland: Aberdeen, Dumfries, Dundee, Edinburgh, Glasgow, Inverness. Ireland: Belfast, Cork, Dublin, and Limerick.

The Chairman, in opening the proceedings, said he had hoped that the duty of presiding at that meeting would have fallen into more able hands than his, for it was thought that Mr. Ritchie (the President of the Local Government Board) would have presided, but he unfortunately had to leave town before the meeting. Then, in the next place, it was thought that they would have had the assistance of Lord Basing, a former chief at the Local Government Board, but he had been compelled unexpectedly to leave London. So the duty of presiding had fallen upon him. He did not know that there was any portion of the great Congress which was being held in that building which was of higher importance than the subject for the discussion of which the meeting had been convened. (Hear, hear.) They were, doubtless,

aware that the health of communities depended in a great measure upon the efficient carrying out of the details of plumbing, and the Plumbers' Company had been most anxious during the last few years to improve the education of workmen engaged in this important branch of work. He could assure the Plumbers' Company he had always felt the warmest sympathy with their efforts—(Applause)—and he could bear witness to the work done by the Master and Wardens of the Company, and he might add that their efforts had produced the most valuable results. (Hear, hear.)

The MASTER of the PLUMBERS' COMPANY read a report on the subject, referring to the efforts made by the Company in conjunction with numerous public and other bodies, to extend among workmen a technical knowledge of the art of plumbing, and to secure the registration of qualified men. It was now about seven years since this work had been begun, and at the present time there were 950 persons engaged in the chief towns of the United Kingdom and Ireland in assisting to carry out the objects of the movement. The movement had, however, now reached a position when it was felt that it was necessary to give some legislative encouragement to it, and the Plumbers Company had prepared a draft Bill which they considered should be presented to Parliament during the next session, for the purpose of carrying out the proper education and registration of plumbers in the United Kingdom. (Applause.)

The LORD PROVOST OF EDINBURGH moved the following resolution:—"That this special meeting of the International Congress of "Hygiene, assembled to consider the necessity for securing the greater "sanitary efficiency of the plumbers' work and drainage of dwelling-"houses and other buildings, desires to record its opinion that an "organised and efficient system of registration of qualified plumbers is "essential to the protection and preservation of the health of the "community, and that such a system having been established in the "chief cities and towns of Great Britain and Ireland, by the joint "action of the Worshipful Company of Plumbers, London, and the "plumbers and sanitary authorities of those places, the time has now "arrived when application should be made to Parliament for powers "enabling a council of competent jurisdiction and authority to take "measures for systematically promoting technical education among "plumbers in all parts of the United Kingdom and for regulating the "practice of those plumbers who are enrolled as registered plumbers." His lordship said it was generally admitted that there was a great need for dealing with such an important subject as the registration and education of plumbers in a manner which had not been before attempted. In seeking to bring this about, the Plumbers' Company had done an immense amount of good—(Applause)—and had given the public the benefit of their experience. At the present day plumbers' work had become most complicated in its details, and where it was not done properly the public undoubtedly suffered. If this danger could be avoided, the householder would feel that a great

responsibility had been lifted from him, and it was the aim of those interested in the subject to put the work into the hands of duly qualified and registered workmen. There were associations in which plumbers were registered, and much good had probably been done; but it was quite clear that there must be different standards of excellence, and in different parts of the country the standard would vary. It was therefore rightly thought that it would be the best thing to bring them together under one central organization, which should have the control of the whole. Such a movement as this was well fitted to inform the public mind in regard to such important matters of health, and in carrying out the project to the end the plumbers of the United Kingdom and Ireland would be expected to attain the highest standard of excellence. (Hear, hear.)

Mr. Councillor Crawford (Chairman of the Health Committee of the City of Glasgow), in seconding the resolution, remarked that in Scotland the title of the subject was really understood to be plumbing reform. (Applause). His connexion with the movement was as the Chairman of the Health Committee of the Corporation of Glasgow, and he had some short time ago attended a conference composed of practical men in the trade, and bearing in mind the fact that Scotchmen were held to be a hard headed race, who were not given to imaginary views, he considered that the unanimous approval of the movement which was given at that conference was a compliment to the Plumbers' Company—(Hear, hear)—and proof of the practical character of the scheme. He hoped he would not be accused of hurting the feelings of the plumbers present when he said that they had not all travelled with the times. But he thought the plumbers and the public generally had at last begun to realize that something would have to be done to bring the craft up to the standard of modern means and requirements. (Hear, hear). He was glad to know that this movement was no way associated with any idea of increasing the profits of the masters (laughter), but simply and solely for the public good. The basis of such a movement was education, and in his own mind that was really the key of the whole thing. (Applause.) Then they wanted statutory powers, and in seeking to properly develop the scheme of the Plumbers' Company, he thought that Parliament should be asked to give its aid. (Hear, hear.)

Sir Charles Cameron, M.D. (Medical Officer of Health, Dublin), in supporting the resolution, said although the Scotch might be called a hard-headed race and not given to imaginary views, he thought the Irish could claim to be highly imaginative (laughter), but upon the question of the proper education and registration of plumbers extremes did certainly meet. (Hear, hear.) The movement had been unanimously adopted in Dublin, thanks to the exertions of the Plumbers' Company, who sent over a Deputation, and quickly succeeded in establishing a branch organization in connexion with the Company. Referring to some sanitary work which had been carried out in Dublin, Sir Charles said, when plumbers were wanted, the ironmongers came boldly

aware [illegible] (laughter),
the effec[illegible] plumbers.
Comm[illegible] [illegible]rred from the
the [illegible] [illegible]arks made by
H[illegible] [illegible]tween the views
[illegible]

[illegible]—

[illegible] credit to the Plumbers'
[illegible] movement, he could but
[illegible] pass a Bill, as had been
[illegible] plumber should be made
[illegible] druggist, it would be raising
[illegible] Sir DOUGLAS GALTON: Hear,
[illegible] workmen was prepared for
[illegible] and druggists were entitled to
[illegible] He considered that the best course
[illegible] for the quality of the work done,
[illegible] afford technical education.

[illegible] heartily supported the resolution, and
[illegible] well worked out from both points.
[illegible] Company would act wisely in taking the
[illegible] (Hear, hear)—and the apprentices also,
[illegible] there might be on the part of the boys,
[illegible] take apprentices whose parents objected to
[illegible] work of the trade. (Hear, hear.)

MANCHESTER said he would take this opportunity
[illegible] acknowledgments and those of the people of Manchester
[illegible] Company for what they had done. He considered it
[illegible] importance that the scientific part of the plumbers' trade
[illegible] understood by workmen, and, further, that all taps
[illegible] in new houses should be thoroughly inspected, and
[illegible] laws should be enforced as to the registration of inspectors.

[illegible]

The CHAIRMAN pointed out that it was not the Plumbers' Company
[illegible] suggesting the proposed Bill simply as their own idea; on the
[illegible] they had been called upon by various boroughs in the United
[illegible] bring forward a Bill with the objects of which the heads
[illegible] deeply sympathised.

The resolution was then adopted, and Mr. Laing was the only
[illegible].

On the motion of Dr. CORBY, seconded by Sir HENRY ACLAND,
[illegible] vote of thanks was accorded the Chairman for his presence in
the chair and the interest he took in the movement.

The CHAIRMAN, in replying to this vote, congratulated the Plumbers'
Company on the value of the work they had carried through. (Applause.)

The proceedings then terminated.

THE

Seventh International Congress of Hygiene and Demography.

THE CLOSING MEETING.

The final general meeting of the Congress was held at 11 o'clock in the morning of Monday, the 17th August, in the theatre of the University of London, Burlington Gardens, under the presidency of Sir Douglas Galton.

There was a large attendance, and among those present were a large number of the foreign delegates.

The CHAIRMAN, in opening the proceedings, said,—In taking the chair at this closing meeting I would beg, as chairman of the organising committee, to make a few observations before we proceed to the regular business of the meeting. I desire, in the first place, to congratulate the Congress on the success of the present meeting. The number of members exceeds those who have taken part in any previous meeting. Many of the papers possess a very high value, and will have a permanent influence on the branches of hygiene and demography to which they severally refer. The number of foreign delegates and of foreign members is highly flattering to us as a nation. Our success has been due, first to the gracious patronage of the Queen, and to the strong personal interest which has been taken in the Congress by our president, the Prince of Wales, who not only opened the Congress in an admirable speech (which you all heard), but who arranged that a delegate from the Government of every foreign country represented at the Congress should have the honour of being introduced by himself personally to the Queen. The success of the Congress, as an international gathering, is also due to the fact that we, as a nation, have many matters of interest to show to foreigners. I think I may say that the chief difference between our hygienic progress and that of our Continental neighbours is that whilst they are especially fortunate in being able to pursue the theories upon which much of modern hygienic progress is based, with us public opinion has hindered the study of many physiological questions, the solution of which depends upon the examination of living tissue. Hence, we at present are in this respect somewhat behind the Continental schools, and we largely turn our attention to applying their theories to alleviate the wants of life. Hence we can show much of interest in practical hygiene in matters both of construction and administration. Our methods of water-supply and drainage, our various plans for refuse disposal or utilization, our isolation hospitals and ambulance systems

present many interesting features. The arrangements which are being made to introduce sanitary knowledge and efficiency of workmanship in trades such as the plumber's, upon which the practical sanitation of parts of our houses largely depends, are deserving of consideration; and the health administration of the large cities of Glasgow and Manchester is especially worthy of the study of our visitors. The organisation of this Congress has differed from that of former Congresses in the increased number of sections into which it was divided. In proportion as the study of hygiene and demography becomes more elaborate the classification must necessarily be more detailed, and the number of sections must either gradually increase or the sections must subdivide. Independently of the increased number of sections, it was found necessary to give two afternoons to the discussion of questions connected with the sanitation of our Indian Empire, which, for the first time in the history of these Congresses, was represented by a large number of delegates. The native Princes of India seemed deeply sympathetic with the Congress, and I trust that the interest which has been evoked in its direct may lead to beneficial results in that great country. In the arrangement of sections there is also a difficulty in drawing the line between hygiene and demography, for demography does not mean mere statistics. For instance, demography properly includes health conditions appertaining to industrial occupations and school life. But these subjects also properly belong to hygiene, and many sections necessarily include subjects falling under both titles. A principal object of the Congress is, without doubt, to afford to scientific men in different countries the opportunity of conferring together. But it has another and most important object, viz., to extend the interest of the community at large in the knowledge of the arts of health. Your president the other day asked the pertinent question, Why, if diseases are preventible, are they not prevented? The answer to that question is that while an intelligent minority has understood the importance of observing hygienic laws, a very large section of the community is careless or ignorant of their observance, and consequently the portions of land and water which are individual and personal in their application are of a very little value. As in Parliament so in life, so long as the people have to grow up to know their value, the importance and it is quite certain that the only way to stamp out preventible diseases is to educate every member of the community to feel the importance of the arts of health. A great international Congress like this has been the means of bringing before the public, and has established a valuable [illegible] of the science of which it is hold. I have already [illegible] Sir, I must add, as chairman of the organising committee, that we have endeavoured to make the Congress popular and successful, and those who have laboured in this direction [illegible] The success which we have met with is mainly due to our secretary, Dr. Parkes, and to our general secretary, Dr. Corfield, and to the Indian [illegible] Dr. Duncan. The excellence of the social arrangements is entirely due to the organising power and tact of the secretary of the reception committee, Mr. Malcolm Morris. But you will have to accommodate a [illegible]

the executive before the end of this meeting. If there have been shortcomings, the organising committee much regret them. The only apology we can offer is that a voluntary organisation suddenly created to fulfil the requirements of the moment may have been somewhat strained at first by the number who appeared on Monday morning—a number far in excess of that which former experience led us to anticipate, and I would say in conclusion, in the words of our poet Prior—

"Be to our virtues very kind,
"Be to our faults a little blind."

(Cheers.)

Dr. Poore, the Honorary Secretary-General, then read for the information of the meeting the various resolutions which had been passed by the different sections.

In **Section I.** (Preventive Medicine) no resolutions were passed, but on the conclusion of the debate on diphtheria—

A. "*An opinion was expressed by the Section as to the extreme expediency of the European Governments making a comprehensive and systematic inquiry into the causes of diphtheria.*"

In **Section II.** (Bacteriology) it was proposed by Professor Arloing (Lyons), seconded by Dr. Septimus Gibbon, and carried unanimously

B. "*That the Section recommends that the following subject be referred to the next meeting of the Congress* (1894) *as a subject of inquiry and discussion :—*

The Ætiology of the Tuberculous Diseases of Infancy."

In **Section IV.** (Infancy and Childhood) it was proposed by Dr. Shuttleworth (Lancaster), seconded by Mr. Graham Balfour, and carried unanimously:

C. "*That, according to the returns prepared by Dr. Warner on the feeble-minded, epileptic, &c., it would appear that an appreciable number of children, though not imbecile, are more or less defectively developed in brain and body. That for their training and education special arrangements are necessary, and that in the absence of such arrangements there is grave moral and mental deterioration.*"

The following resolution, proposed by Dr. Kotelmann (Hamburg) on behalf of Dr. Ludwig Strumpell (Leipzig), Dr. F. L. A. Koch (Leipzig), Dr. Emil Schmidt (Leipzig), Dr. Ernst Hasse (Leipzig), and amended by Dr. Warner, was carried with one dissentient:

D. "*That this Congress do appoint a commission consisting of persons severally conversant in—*

"(1.) *Examination of the physical condition of children ;*
"(2.) *Mental conditions and diseases ;*
"(3.) *Education and methods of dealing with children ;*
"(4.) *Statistical compilation of facts ;*

whose duty it shall be to inquire into the condition of children in schools and elsewhere, and to carry out the same upon a

fixed plan. This Congress empowers the commission to add to their number, and to appeal to recognized authorities as sources of assistance if necessary."

The following were proposed as members of the Commission, Dr. Warner being the convener :—

Dr. KOTELMANN - - -	Hamburg.
Dr. JACOBI - - - -	New York.
Dr. ROUSSEL - - -	Paris.
Dr. BURGERSTEIN - -	Vienna.
Dr. KUBORN - - - -	Seraing-Liège.
Mr. DIGGLE - - - -	London.
Mr. SPALDING - - -	London.
Dr. WARNER - - - -	London.

A resolution proposed by Dr. KOTELMANN (Hamburgh), seconded by Mr. JACKSON, and amended on the motion of Mr. NOBLE SMITH and Dr. GLADSTONE, was passed as follows by 28 votes against 1 :

E. "*That as the hygienic advantages of vertical writing have been clearly demonstrated and established both by medical investigation and practical experiment, and that, as by its adoption the injurious postures so productive of spinal curvature and short sight are to a great extent avoided, it is hereby recommended that upright penmanship be introduced and generally taught in our elementary and secondary schools.*"

The following resolution, passed by the School Board for Hull, was submitted to the section :

F. "*That this Board is strongly of opinion that while the sanitation of public elementary schools has been much improved under State regulations, a large number of private adventure schools exist which are gravely deficient in sanitary arrangements, and are subject to no proper sanitary inspection whatever, and that steps should be taken by the Congress to impress upon the Government the necessity of placing these schools under some efficient system of inspection.*"

It was unanimously resolved that the above resolution should be entered upon the minutes of the Section.

It was moved by Professor BURGERSTEIN and seconded by Professor GLADSTONE, and carried :

"(1.) *That it is desirable that the question of mental over-pressure should be investigated by exact experimental methods* (unanimous).

G. "(2.) *That until the question of over-pressure has been carefully investigated in a proper scientific spirit, school lessons generally should not last longer than three-quarters of an hour, followed by a quarter of an hour's rest* (four dissentients)."

The following resolutions were carried after discussion and amendment:

H. "(1.) *That the hours for home-lessons out of school be restricted.*

"(2.) *That ample physical recreation be carried out.*

"(3.) *That in the intervals between exercise the body should be properly rested.*"

It was moved by Dr. SCHOFIELD, seconded by Dr. PASTEUR, and carried unanimously:

I. "*That this Congress warmly advocates the instruction of girls and women in domestic hygiene as an integral part of their education.*"

The following resolution was carried by 75 votes to 22:

J. "*That this Congress, asserting the duty of the State towards its future citizens, in the matter of education, declares that the feeding and clothing of destitute and neglected children is necessary for efficient education; and where such destitution or neglect is due to the misconduct of the parent or guardian of the child, it is the duty of the legislature to visit that misconduct with penal consequences.*"

It was moved by Dr. CAMPBELL, seconded by the PRESIDENT of the Section, and carried unanimously:

K. "*That the time has arrived when the blind, deaf, and dumb should have a well-graded, practicable, comprehensive course of instruction. That the training of the blind, deaf, and dumb should not be conducted on a charitable basis, but should form a part of the national system of education.*"

In **Section VI.** (Architecture) the following resolution was proposed by Dr. SYKES, seconded by Mr. ROLAND PLUMBE, and carried unanimously:

L. "*That special legislation for the control of block-dwellings for the industrial classes in cities is requisite.*"

It was moved by Dr. SYKES, seconded by Mr. ERNEST TURNER, F.R.I.B.A., and supported by Mr. ROGERS FIELD, C.E., and carried unanimously:

M. "*That the members of the Architectural Section desire to consider the resolution adopted by the Section of State Hygiene approving of the statutory examination and registration of architects, before the definite adoption of the resolution by the Congress. They are of opinion that this question should have been referred to Section VI., 'Architecture in Relation to Hygiene.'*"

The resolution was put and carried unanimously.

In **Section IX.** (State Hygiene) it was proposed by Dr. DANFORD THOMAS (London), seconded by Dr. LITTLEJOHN (Edinburgh), and carried with one dissentient:

"*That, in the opinion of this Section of the International Congress of Hygiene and Demography, it is essential in the*

N. *public interest that the existing law regulating the sale of poisons should be amended, and greater restrictions placed on the sale of poisons generally in all countries, and especially in Great Britain, India, and the British Colonies.*"

It was moved by Sir HENRY THOMPSON (London), seconded by Mr. ERNEST HART (London), and carried with four dissentients:

O. "*That the cremation of the dead is a rational and hygienic procedure which is specially called for where death occurs from contagious disease.*"

It was moved by M. GEORGES SALOMONS (Paris), seconded by Mr. LITHIBY (London), and carried unanimously:

P. "*That all governments should remove legislative obstacles to the cremation of dead bodies, and that they be recommended to adopt cremation of bodies on the battlefield.*"

It was moved by Mr. MARK JUDGE (London), seconded by Mr. W. J. Fletcher (Wimborne, Dorset), and carried unanimously:

Q. "*That, in the opinion of this Section, architects ought to be registered as to qualification before being eligible for any public appointment.*"

It was moved by Mr. SETH SMITH (London), seconded by Dr. GEORGE REID (Stafford), and carried by 22 votes against 14:

R. "*That the Section cordially approves the principle of the statutory examination and registration of architects in the interests of the public health.*"

It was moved by Dr. GEORGE REID (Stafford), seconded by Mr. HUGH ALEXANDER (London), and carried with one dissentient:

S. "(1.) *That the present conditions relative to the appointment of inspector of nuisances are not calculated to secure the efficient administration of the Public Health and other Sanitary Acts, and that reform is urgently needed in the direction of increased salaries and allowance for travelling expenses in scattered districts, greater security of tenure of office, definition of size of districts as regards area and population that may be entrusted to one officer, the production of evidence of fitness in the shape of some diploma by all candidates for such appointments, and the limitation of duties (except, perhaps, in the case of very small districts) to those purely pertaining to the office.*

"(2.) *That it is desirable to confine the appointments of inspectors of dairies, and cow-sheds, and milk shops, and canal boats to inspectors of nuisances.*

"(3.) *That a copy of the above resolutions be forwarded to the Local Government Board.*"

It was moved by Dr. THORNE THORNE and carried unanimously:

T. "*That this Section cordially approves the action taken by the Worshipful Company of Plumbers for improving the education and position of Plumbers.*"

It was proposed by Dr. LOWE, and seconded by Dr. SPOTTISWOODE CAMERON (Leeds), and carried by a large majority:

U 1. "*That notification of infectious diseases in all countries should be made compulsory.*"

It was proposed by Dr. A. J. MARTIN (Paris), seconded by Dr. VIVANT (Monaco), and carried by a large majority:

U 2. "*That it is desirable that notification of infectious diseases should be made by the medical attendant.*"

It was proposed by Dr. CURRIE (New Brunswick), seconded by Dr. FARRELL (Nova Scotia), and carried by a large majority:

U 3. "*That, in the opinion of this Section, notification of infectious disease should be made compulsory upon the medical attendant and the householder in whose house the disease occurred.*"

It was moved by Mr. LITHIBY, seconded by Dr. BARRY, and carried unanimously:

V. "*That the cordial thanks of this Section of the International Congress of Hygiene and Demography be conveyed to Professor Vilanova y Piera, of Madrid, Dr. Guillaume, of Berne, and Dr. Hewitt, of Minnesota, for the valuable works relating to matters connected with public health which they have presented to the Congress.*"

In **Division II.** (Demography) the following resolution was proposed by Mr. ERNEST HART, seconded by Mr. GRAHAM BALFOUR, and carried unanimously:

W 1. "*That an investigation which has been made in regard to the conditions of bodily development and brain action in some* 50,000 *children indicates new and grave problems respecting the provision necessary for the care and training of those who are more or less defective in make, and also respecting the causation, in certain districts, of mal-developments which are much associated with defects of the brain; and that an extended scientific inquiry is desirable for the further elucidation of the subject.*"

The following resolution, proposed by Dr. GEORG VON MAYR (Munich), and seconded by Professor F. VON JURASCHEK, was carried:—

"*This Division of Demography recommends the collection of the following statistical facts and the development of the same—A. In those countries in which an official insurance of the working-classes exists: I. As regards* Sick Insurance. (1) *The insured should be classified as to sex, age, conjugal condition, and occupation.* (2) *The actual occupation of the insured; his position in such occupation; the length of time he has been engaged in it; and also his previous occupation (if any) should be noted.* (3) *The duration of his insurance should be ascertained.* (4) *With reference to diseases that*

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terminate fatally, the duration of such illnesses should be noted, together with the time of their appearance and the
W 2. *cause of death. II. As regards* Insurance against Accidents. *The same* data *will be required as in the foregoing class; and, in addition, a record should be made of the nature, gravity, and consequences of the accident, the time of its occurrence, and the industrial arrangements obtaining when it occurred. III. Statistics should be given of the wages paid to each workman and of his hours of labour. IV. Such statistics should be kept for each branch of industry, and should be made up every half year. V. The statistics referred to should be prepared in a central office or labour bureau, after consulting the employer and the workman as to the correctness of the same. B. In those countries in which no official insurance of the working classes prevails, the same data as above should be furnished.*"

It was also unanimously resolved, on the motion of Dr. PAUL BROUSSE (Paris), seconded by Mr. ADOLPHE SMITH (London), that the following questions be inscribed upon the Agenda for the next Congress:

X. "*The duration of the day's work in relation to the health of the worker, and its consequences on public health.*"

At the Special Meeting for the consideration of Indian Sanitation, the following resolution, proposed by Sir WILLIAM WEDDERBURN, Bart., seconded by Sir DOUGLAS GALTON, K.C.B., and supported by Professor CORFIELD, was carried unanimously:

"*That, looking to the interest shown by India in this Congress, and considering the probability that other tropical countries and colonies would take a similar interest in future Congresses if a more prominent position were given to the*
Y. *consideration of subjects in which they are specially interested, this meeting recommends to the permanent committee that in future Congresses a Tropical Section be formed, with a view to a more full discussion of questions affecting sanitation and the origin of disease in tropical climates.*"

At a Special Meeting of the Congress, held on August 11th to consider "*The National Registration of Plumbers in relation to the Public Health,*" it was moved by the LORD PROVOST OF EDINBURGH, seconded by the CHAIRMAN OF HEALTH COMMITTEE OF GLASGOW, supported by the MAYOR OF MANCHESTER, and by the MEDICAL OFFICER OF DUBLIN, and carried unanimously:—

"*That this Special Meeting of the International Congress of Hygiene, assembled to consider the necessity for securing the greater sanitary efficiency of the plumbers' work, and the drainage of dwelling-houses and other buildings, desires to record its opinion that an organised and efficient system*

of registration of qualified plumbers is essential to the protection and preservation of the health of the community, and that such a system having been established in the chief
Z. *cities and towns in Great Britain and Ireland by the joint action of the Worshipful Company of Plumbers, London, and the plumbers and sanitary authorities of those places, the time has now arrived when application should be made to Parliament for power enabling a council of competent jurisdiction and authority to take measures for systematically promoting technical education among plumbers in all parts of the United Kingdom, and for regulating the practice of those plumbers who are enrolled as registered plumbers."*

Professor W. H. Corfield, the Hon. Foreign Secretary, reported that at a meeting of the Permanent Committee, which was held on Friday, 14th August, it had been resolved that, as the next meeting of the International Medical Congress was to be held in Rome in 1893, it was undesirable that a meeting of the Hygiene and Demography Congress should be held in the same year, and that, therefore, their next meeting should be postponed until 1894. The committee had received two invitations from different places for their next meeting—an official one from the authorities of Budapest by Mr. Körösi for 1893 or 1894, and an unofficial one, from Dr. Hewitt, of Minnesota, asking that the Congress should be held in Chicago in 1893 at the time when the International Exhibition was to be held there. The committee had decided to accept the invitation from Budapest, at the same time thanking Dr. Hewitt, as they thought that it would not be desirable that the Congress should be held twice in succession in English-speaking countries. (Hear, hear.)

Dr. Brouardel, of Paris, President of the Permanent International Committee, moved the following resolution :—

"That this Congress accepts with cordial satisfaction the invitation of the authorities of Budapest to hold the next meeting of the Congress in that city in 1894: That the Permanent Committee of Hygiene and Demography be re-elected, with the addition of Professor Fodor and Professor van Overbeek de Meÿer for Hygiene, and Dr. E. Janssens and Mr. Joseph Körösi for Demography, with power to add to their number."

He said :—Monsieur le président, mesdames, messieurs, au nom du comité permanent du congrès international d'hygiène, j'adresse aux hygiénistes anglais, aux membres du comité d'organisation et à son president, Sir Douglas Galton, nos plus vifs remerciements.

Plus de trois mille personnes ont participé aux actes du congrès de Londres. Il est déjà permis de trouver, dans le concours fourni par nos collègues anglais, une preuve de l'intérêt qu'ils portent aux questions de l'hygiène. Mais ce qui nous a tous frappés, et c'est là ce qui restera dans notre mémoire, c'est que, en Angleterre, chacun, quelle que soit sa condition sociale, quelle que soit son éducation, sait parfaitement que

respecter les lois de l'hygiène c'est assurer la vie, la santé des siens, écarter la misère de la maison.

Nous emporterons le souvenir de cette visite faite à un grand peuple, où tous ont consenti à faire les sacrifices d'argent et même de liberté personnelle nécessaires à la santé de chacun.

Nulle part nous n'avons eu sous les yeux un tel exemple de solidarité dans l'effort, et tous nous ferons le possible pour arriver aux mêmes résultats en suivant les mœurs, les coutumes propres à chaque pays.

Messieurs, nous emporterons de Londres un autre souvenir. Grâce à votre hospitalité, nous avons contracté ici de solides amitiés. Vous avez été des hôtes admirables, vous vous êtes prodigués pour nous rendre le séjour dans votre ville agréable et instructif. Nous vous en remercions, et vous pouvez être sûrs qû'aucun de nous n'oubliera les heures qu'il a passées au sein de vos familles.

Permettez-moi d'ajouter que nous avons été particulièrement touchés des prévenances qu'ont bien voulu avoir pour les délégués des nations représentées au congrès Sa Gracieuse Majesté la reine et son Altesse Royale le prince de Galles. Nous prions notre président de leur porter le témoignage de notre respectueuse reconnaissance.

Messieurs, dans trois ans nous nous retrouverons dans un autre pays; faisons des vœux pour que, à cette date, les progrès inspirés par notre séjour à Londres nous permettent de dire au président, Sir Douglas Galton, et à ses collègues du comité, que leurs efforts n'ont pas été stériles.

Dr. William Ogle, of London, in seconding the motion, expressed his pleasure in seeing that the invitation to hold the next meeting at Budapesth came through the hands of a distinguished statistician. The statistical method of investigation had its birthplace in England, being nothing more than the "Political Arithmetic," which was brought into use in the 17th century by Graunt, Petty, and other English writers. It must, however, be confessed that the art had not received from its mother that amount of care and attention in after times that so promising a child might fairly have expected to be devoted to its development. Its value had been much more fully recognised abroad than in the country of its birth; and one consequence of this was that in the statistical division the proportion of foreign members had been much larger than in the Congress as a whole; and, in the unavoidable absence of Mr. Galton, who had presided over that division, he wished to be allowed to express the thanks of the English statisticians to those distinguished colleagues who had come laden with valuable contributions from France, Germany, Austria, Switzerland, Hungary, Russia, America, and other foreign countries. One thing, however, they had imported into this country, to which he could not but take exception, and that was the term demography, which appeared to him to be a very barbarous word, and far inferior to the original name to which he had already adverted, "Political Arithmetic." If it was impossible to revert to this ancient designation, he trusted that at any rate some other name less barbarous than demography might be devised and adopted.

The resolution was carried.

M. Körösi, of Budapest, said :—As one of the delegates of the city of Budapest, I beg to be allowed to thank the Congress for the great honour it has done my city in accepting its invitation for 1894. The English Committee have given a difficult task to perform to all their successors, but especially to Hungary. You will not find in Budapest a civilization of centuries such as exists in this country. What one century slowly produced in our country was quickly swept away in the next century by the breaking in of barbaric hordes. But that which could not be swept away was the deep desire of the whole nation for freedom and progress. Hungary is proud to be able to state that the two oldest pillars of freedom in Europe, the two oldest Constitutions, are those of England and Hungary. For this reason the Hungarian nation could watch the most exposed part of European civilization, could defend for centuries with its blood and body the peace and the creed of Europe. Hungary obtained peace only two short centuries ago, and it is only since the still shorter period of 23 years that, thanks to the loyalty both of our glorious king and of the nation, they could recall to life the Constitution and the national life. Come and see how Hungarians defended the position which Providence and historical development had assigned to them. You will perhaps find some work done; but what is sure to be found is that the Congress will be received with open arms, with cordial affection, not only by the 500,000 inhabitants of the capital, but also by the millions of the nation.

Allow me to express in a few weak words also the best thanks for the great work done by the organisers of this Congress and for the kind and splendid reception with which we have been honoured. During the day we have worked in the Congress, in the evening we have enjoyed your hospitality in your homes, following thus the prescription of the German poet "Tages Arbeit, Abends Gäste." And indeed, if anywhere, it is in England that one can learn how to cultivate the two phases of human life—work and pleasure; how to make life useful, and how to enjoy it. If we admire on the one hand your great institutions and improvements, we must on the other hand be impressed by the marks of kindness and benevolence which we have received from every side, and by the veritable torrent of hospitality which surrounded us. We ought to be deeply touched to see how heroes of science have left their pedestals to care for the daily wants of their guests. You may be sure that every one of us will keep the memory of this flattering reception for ever in his thankful heart, and will tell at home how we have been received by the great English nation.

Dr. Poore, the Hon. Sec.-General, read the following announcement from Dr. Körösi :—

"London, August 17, 1891.

"Wishing to commemorate the assistance which this Congress has been to the science of demography, and the honour it has bestowed on the city of Budapest, I have set aside the sum of 1,500f. to be offered as a prize for the best work on the object of demography and its progress in the chief countries of Europe and in the United States of America. The manuscript may be written in English, French, German, or Italian,

and is to be sent by the 1st of January, 1894, to the Permanent Committee of the Congress. The name of the author is to be sent with it, but in a sealed envelope. The paper will be examined by an international committee of five statisticians elected by the Permanent Committee, but not necessarily members of it. The prize will be awarded at the opening meeting of the next Congress of Hygiene and Demography at Budapest.

"JOSEPH KÖRÖSI,
"(Director of Municipal Statistics at Budapest)."

(Cheers.)

DR. SELL (Germany) moved the following resolution :—

"That his Royal Highness the President be respectfully requested to convey to Her Majesty the Queen the dutiful thanks of this Congress for Her Majesty's gracious act in becoming patron of the Congress, and for the magnificent hospitality shown by Her Majesty to members of the Congress during their sojourn in England." (Cheers.)

He spoke as follows :—Der siebente internationale Congress für Hygiene und Demographie findet mit dem heutigen Tage seinen Abschluss.

Bei seiner Eröffnung hat unser hoher Präsident, Seine Königliche Hoheit der Prinz von Wales, die Hoffnung ausgesprochen, dass die Arbeiten desselben sich dem Wohle der Menschheit dienlich erweisen würden. Mit hoher Befriedigung können wir heute diesen Wunsch als in Erfüllung gegangen bezeichnen. Der persönliche Austausch der Erfahrungen und Meinungen so hervorragender Vertreter der Hygiene und Demographie, wie sie sich hier aus allen civilisirten Ländern zusammengefunden haben, muss Früchte zeitigen, welche der gesammten Menschheit zu Gute kommen. Wir Alle kehren mit einem reichen Schatz neuer Kenntnisse und Erfahrungen in die Heimath zurück, erfüllt von dem eifrigen Bestreben sie, Jeder in der ihm angewiesenen Stellung, zur Erhaltung der Gesundheit, zur Abwehr der Krankheit, nützlich zu verwerthen.

Wir kehren zurück, dankerfüllt für die Bewohner dieses Landes, insbesondere unsere Fachgenossen, die Alles gethan haben, um uns den Aufenthalt hier zu einem unvergesslich schönen zu gestalten.

Dass dieses so sein konnte, dazu gehörte fürwahr schons unserer Gastgeber ein nicht geringes Aufbieten aller ihrer Kräfte.

Welche Summe von Arbeit, welcher Aufwand an gutem Willen, Geduld, Selbstlosigkeit und Thatkraft hat über die Wirksamkeit Aller dieser gewaltet, welchen die so schwierige Aufgabe der Organisation und der Vorarbeiten für den Congress zugefallen ist. Und in wie glänzender Weise sind sie Alle, trotz des kaum erwarteten Andranges der Besucher, ihrer schweren Aufgabe gerecht geworden! Allen voran als leuchtendes Beispiel unser hoher Präsident, Seine Königliche Hoheit der Prinz von Wales, der es sich, um den Arbeiten des Congresses ununterbrochen Nahe folgen zu können, sogar nicht hat nehmen lassen, Seinen Sommersitz hierzu zu verschieben.

Die Gastfreundschaft, hier haben wir sie in wahrhaft idealer Weise kennen gelernt, bis hinaus zu der Allerhöchsten Beherrscherin dieses Landes, Ihrer Majestät der Allergnädigsten Königin, welche die hohe Gnade gehabt hat, eine Reihe von Vertretern des Congresses in Allerhöchst Ihrem Schlosse in Osborne persönlich empfangen zu wollen.

Diese Gnade steht in der Geschichte der Congresse für Hygiene und Demographie einzig da. Der Empfang in Osborne ist das vornehmste Glied in der Kette der Ereignisse, welche sich in den letzten Tagen hier abgespielt haben—er ist der Beweis dafür, dass die Allerhöchste Frau, welche schon früher das Patronat des Congresses zu übernehmen Allergnädigst geruht hatte, Allerhöchst Sich mit den Bestrebungen desselben Eins fühlt und diesem Gefühl auch öffentlich einen Ausdruck geben will. Darum gebührt auch Allerhöchst derselben in erster Linie unser ehrfurchtvollster Dank, und bin ich mir im vollsten Maasse der hohen Ehre bewusst, dass es mir vergönnt ist, Ihnen von dieser Stelle aus den Vorschlag zu machen, unsern hohen Präsidenten, Seine Königliche Hoheit den Prinzen von Wales, zu bitten, dass es Ihm gefallen möge, den Gefühlen unseres ehrerbietigsten Dankes bei Ihrer Majestät der Königin Ausdruck zu verleihen.

Dr. Kusy (Austria) in seconding the resolution said:—

Hochgeehrter Herr Präsident, geehrte Damen und Herren!

Als Vertreter der österreichischen Sanitätsverwaltung sei es mir gestattet, am Schlusse des Congresses einige Abschiedsworte vorzubringen, da gerade von meinem Heimatlande Oesterreich diesem Congresse ein besonderes Interesse entgegengebracht worden ist.

Wie das officielle Verzeichniss der Theilnehmer am Congresse nachweist, haben 4 k. k. Ministerien, 2 Landes- und 5 Stadtvertretungen, der Oberste Sanitätsrath und 9 Landessanitätsräthe, 7 Universitäten, 1 Landesschulrath, technische Hoch- und Fachschulen, 6 Handels- und Gewerbekammern und Gewerbevereine, 4 wissenschaftliche Vereine und 4 Humanitätsanstalten, zusammen 48 Behörden und Corporationen aus Oesterreich über 50 fachmännische Vertreter zur Betheiligung am siebenten internationalen hygienischen Congresse entsendet, denen sich noch eine Anzahl freiwilliger Theilnehmer angeschlossen hat.

Dieses ungewöhnliche Interesse unseres Landes an diesem Congresse entsprang einerseits dem Gefühle der Hochschätzung der grossartigen Entwicklung der Hygiene und des Sanitätswesens in England, andererseits dem Umstande, dass der vorletzte in Wien stattgefundene hygienische Congress nachhaltige und fruchtbare Erinnerungen zurückgelassen und eine sehr bemerkenswerthe Epoche eines lebhaften sanitären Fortschrittes in Oesterreich gefördert hat, durch welchen die Erkenntniss der Bedeutung der hygienischen Bestrebungen unserer Zeit einen mächtigen Antrieb erhielt.

In der kurzen Zeit von vier Jahren, welche die beiden letzten sich ebenbürtig aneinanderreihenden Congresse trennen, ist in Oesterreich der *Oberste Sanitätsrath*, diese fachwissenschaftliche berathende Körperschaft beim Ministerium des Innern als oberster Sanitätsbehörde in solcher Weise umgestaltet worden, dass die Fachmänner der verschiedensten bei Beurtheilung sanitärer Angelegenheiten in Betracht kom-

menden Wissenszweige in ihm vertreten, die Heranziehung der hervorragendsten Capacitäten und wissenschaftlicher Institute des Reiches zur Lösung fachlicher Fragen ermöglicht, eine kräftige Initiative in Sanitäts-Angelegenheiten gesichert und die Mittel zur Durchführung der scientifischen Aufgaben des Obersten Sanitätsrathes geboten sind. Seit dieser Neuorganisation veröffentlicht der Oberste Sanitätsrath regelmässige *wöchentliche Publicationen:* das bereits im dritten Jahrgange erscheinende " *Oesterreichische Sanitätswesen,*" durch welches Blatt nicht blos alle Sanitätsorgane des Reiches in authentischer Weise über laufende Sanitäts-Angelegenheiten informirt werden, sondern auch der geistige internationale Verkehr mit den Sanitätsverwaltungen aller Staaten unterhalten wird, bezüglich welcher ein umfassender *Austausch der officiellen hygienischen Publicationen* eingeleitet ist.

In der *österreichischen Sanitätsverwaltung* selbst hat in den gedachten vier Jahren eine *Vermehrung der Staatsärzte und Staatsthierärzte* um mehr als 25 Percent stattgefunden, so dass fast jedem Chef eines politischen Amtsbezirkes ein ärztlicher Sanitäts- oder ein thierärztlicher Veterinär-Beamter zur Seite steht.

Die *Organisation des Sanitätsdienstes in den Gemeinden* unter Anstellung eigener Amtsärzte für Gemeinden und Gemeindebezirke, welche zur Zeit des Wiener hygienischen Congresses erst in fünf der im österreichischen Reichsrathe vertretenen Königreiche und Länder angebahnt war, ist seither in sechs weiteren Ländern durch Landesgesetze geregelt und in weiteren drei Ländern durch Landtagsbeschlüsse facultativ angebahnt worden, so dass in kurzer Zeit die Organisation des Gemeinde-Sanitätsdienstes in allen Gemeinden des ganzen Reiches eine vollendete Thatsache sein wird.

In Bezug auf die *Bekämpfung der Epidemien* ist eine strenge und genaue *Evidenzhaltung* unter Zugrundelegung einer regelmässigen wöchentlichen Urberichterstattung nach erfolgter *Anzeige des ersten Infectionsfalles,* die für Arzt und Haushaltungsvorstand obligatorisch ist, eingeführt worden, wodurch die Uebersicht über den Stand jeder Art von Infectionskrankheiten im Reiche jederzeit ermöglicht ist. Das Verfahren zur *Tilgung von Infectionskrankheiten* ist durch exacte Vorschriften geregelt, in welchen auf die Verhütung der Entstehung von Epidemien zur *Tilgung der Einzel-Infection,* durch Isolirung und Desinfection das Hauptgewicht gelegt wird. Auch wurde der *Aufstellung von Dampf-Desinfections-Apparaten* eine möglichst grosse Verbreitung gegeben, so dass jetzt schon alle grossen Eisenbahnstationen, viele Spitäler, Gefangenhäuser, Städte, theilweise auch Landgemeinden mit solchen Apparaten versehen sind.

Parallel mit diesen Fortschritten hat die *Errichtung von neuen Kranken- und Humanitätsanstalten und die Erweiterung und Verbesserung der bestehenden* einen sehr bedeutenden Aufschwung genommen, und ist die *sanitäre Beaufsichtigung der Gemeinden* behufs Abstellung sanitärer Uebelstände in jeder Beziehung eine wirksamere geworden.

Als Effect der Gesammtheit dieser und anderer Fortschritte, welche dem sechsten internationalen hygienischen Congresse in Wien gefolgt

sind, stellt sich dar, dass die *allgemeine Mortalität* von 3·2 Percent im Jahre 1886 auf 2·8 Percent im Jahre 1889 herabgedrückt wurde.

Wenn auch diese segensreiche sanitäre Bewegung, welche in Oesterreich seit dem vorletzten internationalen hygienischen Congresse in Wien eingetreten ist, nicht ausschliesslich als Wirkung desselben bezeichnet werden kann und auch anderen Factoren zuzuschreiben ist, so hat die Abhaltung desselben zur Hervorbringung dieser *fortschrittlichen sanitären Bewegung* jedenfalls wesentlich beigetragen. Dies berechtigt aber zugleich zu der zuversichtlichen Erwartung, dass auch der eben beendete, so glanzvoll verlaufene siebente Congress für Hygiene und Demographie segensreiche Früchte tragen und strahlende hygienische Erleuchtung von hier aus in alle Länder senden werde.

Die Fülle des Berathungsmaterials war so grossartig, die Gastfreundschaft, mit der alle Delegirten auf englischem Boden aufgenommen und beim Congresse festgehalten wurden, so herzlich und unvergleichlich, dass die Congresstage Jedem unvergesslich bleiben werden.

Namens der k. k. Behörden und aller jener Corporationen, welche Delegirte zu diesem Friedensfeste der hygienischen Wissenschaften aus Oesterreich gesendet haben, erstatte ich daher den wärmsten Dank für alle uns gespendeten geistigen und körperlichen Genüsse, und bitte ich den hochverehrten Herrn Vorsitzenden, den Ausdruck desselben Ihrer Majestät der erhabenen Protectorin und Sr. königl. Hoheit dem Präsidenten Prinzen von Wales, ferner dem Oberhaupte dieser ersten Weltstadt, sowie allen anderen Gönnern des Congresses vermitteln, selbst jedoch für seine persönliche, über alle Anerkennung erhabene Mühewaltung den Ausdruck der aufrichtigsten Bewunderung und Hochschätzung entgegennehmen zu wollen.

Lieut.-Col. Woodhull (America) in supporting the resolution said:—Mr. President, it is with embarrassment fully equal to my appreciation of the honour that I find myself supporting this motion, to which everyone present spontaneously responds. Nor can I claim any presumptive right to represent the United States, but I know what I feel all my American colleagues also feel.

The *Saturday Review*, which it becomes us to read, if only for our sins, remarks, "That the many thousand of estimable persons from all "the ends of the earth who attend the Congress, will, no doubt, be "pleased with themselves, and happy in the occasion," and then the *Saturday Review*, as usual, proceeds to sneer. A friend who used to describe a certain class of men as those who go on "accumulating ignorance," was, I think, a prophet as well as an historian.

Now, whether the work done in the past week was not work, and whether the estimable persons, of whom, Mr. President, you and I, and the rest of us here are a part, have created for themselves a fool's paradise in science, I will not pretend to say. I only know that for myself I feel like a half-bushel measure into which it has been attempted to put a bushel.

But a more sacred subject just now than that of science is before me. It is to attempt to express our sense of London hospitality. It has been

a matter of regret to the American delegates that none of us has been authorised to invite formally and officially the next Congress to our shores; and we feel as you, Sir, must realise, that so weighty a charge may not be undertaken by anyone on personal responsibility alone. We sincerely hope, however, that the day is not far distant when our turn may come in receiving you, not in the magnificent way that this treasure-house of the world has enabled you to receive us, but with as genuine and hearty, if not as grand, a welcome for all. For Italy and Spain, races who brought our new world into the light; for the French who explored it, and have left their colonies within, and on our borders; for the Teutons, who have done so much to make us strong; for the Northmen, of whom, indeed, we are an ancient inheritance; and for the British, who are flesh of our flesh!

As to what has been done for us here, excepting as an attempt to express personal feelings, it would be superfluous to add words to the eloquence of others. We from across the water, who have not been allowed to feel ourselves strangers, not to say foreigners, among you, very deeply appreciate the hospitality and welcome we have received. The gracious lady, whose purity and dignity of life you rejoice in, has, by those same qualities extended her empire of love and respect over our citizens, and her personal welcome most auspiciously crowned the hospitality with which everywhere and by everyone we have been received. The societies that by their preliminary action made this meeting of the Congress possible, the executive gentlemen, of whom, Sir, you are the honoured head, who have given vitality to the invitation and have conducted the Congress so successfully, and our hospitable entertainers, public and private, who have borne us down with their pleasant burdens, we shall always hold in grateful and loving remembrance.

Dr. Brouardel (France) also supported the resolution, which was unanimously agreed to, amid loud cheers.

His Excellency M. Gennadius, the Minister for Greece, moved the following resolution:—

> "That the best thanks of the Congress be dutifully tendered to his Royal Highness the Prince of Wales, the President of the Congress, for the untiring interest which his Royal Highness has manifested in the Congress and to which the success of the Congress is to be largely attributed." (Hear, hear.)

He said that the success of the Congress had been largely due to the interest which his Royal Highness the Prince of Wales had taken in it. By some sort of magic, success was made to attend on every movement with which his Royal Highness identified himself. That success was due not to the exalted position of his Royal Highness, but to the assiduous and hearty manner in which he laboured to secure the advancement of every movement that was intended to confer benefits upon large classes of people. (Hear, hear.)

M. Belmás (Spain) seconded the resolution. He said:—Mesdames et Messieurs,—J'avais déjà l'honneur de connaître ce pays anglais,

intéressant et digne d'être étudié, duquel j'ai des souvenirs que je n'oublierai jamais. Mais depuis l'occasion du Congrès d'Hygiène de 1891 mon admiration pour le peuple anglais est plus grande, parce que j'ai été témoin de vos vifs sentiments de confraternité et d'hospitalité vers les étrangers, et de la grande importance de vos travaux en matière d'Hygiène qui font connaître le haut degré de civilisation de cette Angleterre que tous les peuples du monde admirent.

En vous exprimant ma reconnaissance, je vous parle au nom de mon pays et des Espagnols, de ce peuple mal connu en général et dont les travaux pour la civilisation et dont l'enthousiasme pour l'avancement sont plus grands que la généralité du monde ne croit.

Vous avez la preuve dans les lois sanitaires du pays et dans les conclusions que vous avez bien voulu approuver aujourd'hui, même par acclamation, dans lesquelles vous avez donné un vœu en faveur des travaux présentés par mon compatriote le docteur Vilanova.

Au nom de cet éminent docteur, au nom de tous les Espagnols qui ont eu l'honneur de venir à ce Congrès, nous vous remercions de cette preuve d'estime pour M. Vilanova dont la gloire est la nôtre.

Avant de finir ces petits mots, permettez-moi de dire que je regrette bien que le livre du Congrès ne soit pas écrit en français et en anglais. La raison de mon regret est bien fondé. Nous voulons la propagation de l'hygiène, nous voulons que les travaux du Congrès soient connus par tout le monde pour que tout le monde profite de vos études. Et bien, si nous le voulons bien nous devons faire tous les sacrifices possibles pour l'obtenir, et ce sacrifice doit être la traduction ou publication en français du livre du Congrès de 1891.

Croyez bien que si l'on ne fait pas comme ça, la moitié du monde qui pourrait profiter de vos études, se trouvera dans l'impossibilité d'obtenir les fruits du Congrès.

Après cette manifestation, je vous demande pardon d'avoir distrait votre attention pendant quelques minutes, et je suis l'interprète des sentiments de mon cher pays en dirigeant une respectueuse salutation à Sa Majesté la Reine d'Angleterre, à Son Altesse le Prince de Galles, à l'éminent Président du Congrès, gloire de sa patrie, et à tous les Anglais qui nous ont fait l'honneur de nous recevoir avec un accueil, une hospitalité et un sentiment d'amitié que jamais de ma vie je n'oublierai.

Dr. Louis Csatáry de Csatár (Hungary) supported the resolution, and spoke as follows:—Au nom du Conseil général d'hygiène publique de la Hongrie, je remercie Son Altesse Impériale et Royale le Prince de Galles, notre illustre Président, pour sa participation aux œuvres de l'humanité, et spécialement pour celles de notre Congrès; et je suis d'avis, que nous remplissons notre devoir, en votant avec unanimité nos remerciements à Son Altesse Royale.

Dr. Da Silva Amado (Portugal) also supported the resolution.

Professor Van Overbeek de Meÿer (Holland) said:—As a delegate of the Government of the Netherlands, in the name of that Government, and also of my co-delegates and my countrymen who have attended the Congress I beg to tender respectfully to Her Majesty the Queen, to their Royal Highnesses the Prince and Princess of Wales, and

to the other members of the Royal Family our grateful thanks for the gracious patronage of this Congress.

We beg to thank the organising committee, the honourable chairman, and the excellent secretaries, for all the work done at the Congress.

We are greatly indebted to all those who have been good enough to make our reception such a splendid one.

We also thank the ladies' committee which has been so kind to us and our ladies, and which has done us the special favour of showing us the treasures of the true English family life.

There is only one thing greater than your splendid hospitality, it is our gratitude!

Dr. Klas Linroth (Sweden) said:—Mr. Chairman: In the name of the Swedes at the Congress, I have the honour to offer our best thanks to the English authorities, to our English colleagues, and to all who have in these days—so abounding in good lectures and instructive excursions—facilitated our studies, and received us with this splendid hospitality which can only be found in England.

Dr. Prospero Sonsino (Italy) also supported the resolution as follows:—Non sono rappresentante di nessuno, ma come uomo, come umile cultore dell' igiene e come italiano, sento il dovere d'aggiungere la mia parola per ringraziare il cordiale ricevimento avuto in questo paese ospitale durante il nostro Congresso e per salutare l'Inghilterra (old England) che si può dire la nazione che ha adottato il migliore e il più utile indirizzo dell' igiene. Desidero pure di esprimere il desiderio che nel futuro Congresso possa essere adottato l'Italiano come una delle lingue officiali.

Dr. Bentzen (Norway) followed, and said:—After so many excellent speakers, I can say nothing that they have not said better than I am able to, but I believe in the truth of this little verse I read this morning:—

Speak from the heart! all else is incomplete;
Speak to the heart, for that alone is sweet;
Weak words are mighty that with heart-blood beat.

And now I simply want to thank England and its great people for every favour shown this Congress, to thank it out of a heart that beats for the English nation and its work in the service of humanity.

The resolution was then adopted with cheers:—

Sir Owen Burne (London) moved the following resolution:—

"That the best thanks of the Congress be tendered to the Secretary of State for India and the Viceroy of India for the interest which they have manifested in the Congress, and to their Highnesses the Gaekwar of Baroda, G.C.S.I., the Maharajah of Bhavnagar, G.C.S.I., the Maharajah of Cooch Behar, G.C.I.E., the Nizam of Hyderabad, G.C.S.I., the Maharajah of Jeypore, G.C.S.I., the Maharajah of Mysore, G.C.S.I., the Maharajah of Travancore, G.C.S.I., and the Maharajah of Vizianagram, K.C.I.E."

He said that it gave him much satisfaction to submit this resolution to the meeting. India had taken a warm interest in the Congress, and

she had been well repaid by the important subjects discussed in the course of its proceedings, and by the valuable and exhaustive papers read by Surgeon-General Sir William Moore and others before it. He ventured to bear personal testimony to the earnest desire of the Secretary of State for India (Viscount Cross) and of the Viceroy of India (Marquis of Lansdowne) to do their utmost to further the objects of the Congress, and he felt sure that the meeting would be unanimous in agreeing that they, and the able officials associated with them, were entitled to an expression of their cordial thanks. It had been very gratifying to all who were interested in India to see how generously the native princes and chiefs, whose names were mentioned in the resolution now before the meeting, had come forward in aid of its objects, and how efficiently the European and native delegates appointed to represent that great dependency of the Crown had carried out their mission. He could not conclude without specially alluding to the services of their honorary secretary, Mr. Samuel Digby, to whose unwearied efforts were due the success of their proceedings in the Indian section of the Congress, and the comparative ease with which the special Indian Committee, of which he (Sir Owen Burne) had been the humble chairman, had entered on its duties and completed its work.

Surgeon-General Cornish, in seconding the resolution, expressed the opinion that all departments of the administration of the Indian Empire, from the Viceroy's downwards, had worked cordially towards making the Congress meeting a success. The great feudatory princes and natives of wealth and influence had most generously responded to the appeal for pecuniary help towards the expenses of the Congress.

He might mention that as regards the sum received for defraying the expenses of the Congress, the Indian contributions amounted to about one-fifth of the whole. The interest manifested by the Indian princes seemed to point to the hopeful progress of sanitary work in those parts of the Indian Empire not directly under the administration of the Government of India, while the officials of the Indian Government were all deeply impressed with the necessity of attention to sanitary matters in their several spheres of duty.

The resolution was carried unanimously.

Dr. G. Buchanan (London) moved the following resolution:—

> "This Congress records its grateful sense of the support which it has received from foreign Governments, and most especially the Congress thanks the Danish Government for its generous and important contribution to the literature of demography."

Denmark had presented to the Congress, by its chief delegate, Dr. Julius Lehmann of Copenhagen, for distribution among its members, 1,700 copies of a large work (474 pp., royal octavo), entitled "*Denmark, its Medical Organisation, Hygiene, and Demography.*"

Dr. Louis Sambon (Naples) seconded the resolution, and said:—I am happy to second Dr. Buchanan's vote of thanks to foreign Governments, and most especially to the Danish Government, for its splendid publication so lavishly dispensed to the members of the Congress.

Professor Sonsino, of Pisa, has addressed to you the congratulations and thanks of Italy for the success of this Congress, and the sympathy and hospitality which has been so largely bestowed on us. Well, allow me to second also this vote of thanks for the southern part of Italy, of which I have the honour of being a delegate.

The Seventh International Congress of Hygiene and Demography will certainly occupy an eminent place in the history of Congresses for the important facts it has brought before science; but none has as yet been so successful in bringing before the general public the principles of hygiene, which is the most important factor in the prevention of disease and misery and degeneration, and I think that I may express my admiration for the splendid way in which your press has contributed to this success, and to this highly humanitarian mission of popularising this science.

Dr. LEHMANN (Denmark) responded as follows:—Having the honour of speaking here as a representative of the northern insular kingdom, I call to your remembrance the manifold correlations that have existed between Great Britain and Denmark. In olden times my countrymen went fighting, and conquering, to England. Later on, both nations shed their blood under the ramparts of Copenhagen and on its roads. Now-a-days friendship connects them. England has transplanted the most beautiful rose of Denmark into its own soil, and when the descendants of the Vikings now go to England, it is only to make peaceable conquests, like all other nations, competing for a share in the intellectual treasures in which Great Britain so eminently abounds. On the present occasion we have also had the good fortune to draw from this inexhaustible source, and, in the name of my countrymen, I thank all who have lent us a helping hand, and who have done this work with so great a kindness and hospitality. May Great Britain always be the glittering star on the firmament of hygiene to which we all look up.]

The resolution was passed unanimously.

Sir DOUGLAS GALTON, chairman, proposed a vote of thanks to the learned societies, corporations, and private persons who had assisted the Congress by the loan of buildings, by hospitality, and in other ways.

Dr. DOUGLAS, in reading the following list of bodies and individuals who had offered hospitality to members of the Congress, stated that, long as this list was, he feared that some names might have been omitted. If so, he asked the meeting to believe that such omission was purely accidental:—

The Lord Mayor and Corporation of the City of London, with special thanks to Mr. Alderman Knill, the Chairman of the Committee appointed by the Common Council to carry out the arrangements for the Conversazione at the Guildhall.

The President and Fellows of the Royal College of Physicians.

The President and Council of the Royal College of Surgeons.

The President and Fellows of the Public Health Medical Society.

The Society of Medical Officers of Health.

The Fellows Club of the Royal College of Physicians.

The County Councils of London, Northumberland, and the West Riding of Yorkshire.

The Senate of the University of London, The Royal Society, The Society of Antiquaries, The Linnæan, The Royal Astronomical, The Chemical, and the Geographical Societies, and The Royal School of Mines.

The Metropolitan Asylums Board.

The Royal Medical and Chirurgical Society.

The National Health Society.

The Sanitary Institute.

Mrs. Priestley and the ladies of The Ladies' Reception Committee.

The Vice-Chancellor and Senate of the University of Cambridge.

The Cremation Society of England.

The Royal Botanic Society.

The Zoological Society.

The Council of the Royal Naval Exhibition.

The Thames Ironworks Company.

Surgeon-General Madden and the Officers of the Army Medical Staff.

The Refuse Disposal Company.

The Corporations of Aberdeen, Birmingham, Bournemouth, Brighton, Burslem, Croydon, Derby, Dover, Dublin, Eastbourne, Folkestone, Hanley, Hereford, Leicester, Liverpool, Manchester, Nairn, Nottingham, Portsmouth, Ramsgate, Salisbury, Selkirk, Southampton, Stafford, Stratford-on-Avon, Tynemouth, Wigan, Wilton, Wolverhampton.

The Vestries of Marylebone, Paddington, St. George's, Hanover Square, St. James's, Westminster, St. Mary's, Newington, Mile End Old Town, and St. Pancras.

The Boards of Works of Holborn, St. Giles's, St. Olave's, Friern Barnet, and Ealing.

The Governor of the Bank of England.

The Constable of the Tower.

The Director of Kew Gardens.

The Secretary of State for War.

The Home Secretary.

The Duke of Northumberland.

The Duke of Sutherland.

The Duke of Wellington.

The Duke of Westminster.

The Earl of Ellesmere.

The Earl of Dudley.

Sir Andrew Clark, Bart., M.D.

The Baroness and Mr. Burdett-Coutts.

Lord and Lady Wantage.

Sir Spencer Wells, Bart.

Sir Edwin Saunders.

Sir Donald Currie.

The Messrs. Agnew.

Mr. Blundell Maple, M.P.
Dr. George Buchanan.
Dr. Langdon Down.
The Dean of St. Pauls.
Archdeacon Farrar.
J. Walter, Esq., M.P.
Mr. T. W. Cutler, F.R.I.B.A. (the designer of the Congress Badge).
The Director of the German Exhibition.
The Lambeth, Grand Junction, Vauxhall, and East London Water Companies.
The Gas Light and Coke Company.
The Authorities of King's College, Guy's, St. Bartholomew's, St. Thomas's, the London, and Bethlehem Hospitals, the Hanwell Asylum, the Royal Normal School for the Blind, and the Athenæum, Reform, National Liberal, and Northbrook Clubs.

Professor F. von Juraschek, who seconded the resolution, spoke to the following effect:—Er entschuldigt sich, dass er noch das Wort ergreife, nachdem schon so vielfach gedankt wurde, so dass ihm kaum etwas Neues zu sagen übrig bleibe; nachdem nicht bloss dem Prinzen von Wales, dem Lord Mayor von London, sondern auch den verschiedenen Gesellschaftsgebern, von denen eine genaue Liste eben vorgelesen wurde, der Dank ausgesprochen worden ist, und nachdem insbesondere sein Connationaler Hofrath Dr. von Kusy eine statistische Aufzählung der anwesenden Oesterreicher gegeben habe, woraus ersichtlich wurde, wie sehr man sich in seinem Heimathslande drängte, den Congress zu besuchen. Wenn er nun doch spreche, so geschähe es nur, "weil man "nicht oft genug sagen könne, wie sehr wir entzückt sind von dem "liebenswürdigen und prächtigen Empfang, der uns bereitet wurde, "nicht nur vom Lord Mayor, wo derselbe ja über alles Mass grossartig "war, sondern überhaupt von der Bevölkerung Londons, von dem grossen "englischen Volke! Das Congresszeichen," fuhr der Redner fort, "war "nicht nur eine Einlasskarte an jedem Orte, sondern ein Schlüssel zum "Herzen jedermanns! Wer jenes Zeichen trug, mochte sicher sein, dass "er zu jeder zeit hülfreiches Entgegenkommen finden werde." Der Redner führt sodann aus, wie vielfach ein solches insbesondere ihm und seinen Genossen aus Oesterreich und Deutschland bewiesen wurde, und glaubt darin einen untrüglichen Beweis zu erblicken für die tiefe Uebereinstimmung der englischen Nation mit dem Volke von Oesterreich und von Deutschland. Er wünscht im Anschlusse hieran, dass diese Uebereinstimmung sich erhalten und festigen möge, denn sie werde der Welt den Frieden sichern für alle Zeit. "Die Aufnahme, die wir hier "gefunden," schliesst der Redner, "hat uns diese Uebereinstimmung "erst zur vollen Erkenntniss gebracht; desshalb gebührt der Gast-"freundschaft der Bevölkerung Londons unser Aller herzlichster "Dank."

M. Stekoulis (Netherlands) followed in support, and said:—Je suis heureux de pouvoir répondre à l'invitation du Président, afin d'exprimer au nom de mes collègues et en mon nom notre profonde reconnaissance

pour les honneurs dont nous avons été l'objet pendant la durée des travaux du Congrès. La ville, les comités des sociétés philanthropiques, les corps savants, les hommes illustres de ce grand pays et notamment l'hon. Président du Congrès, Sir Douglas Galton, ainsi que l'hon. Secrétaire général pour l'étranger, Prof. Corfield, ont rivalisé d'empressement pour rendre des plus agréables et des plus instructifs notre séjour à Londres. Nous devons une mention de reconnaissance toute spéciale à ces nobles dames, qui ont bien voulu nous offrir leur gracieuse hospitalité.

Nous connaissions de réputation la grandeur britannique, mais il nous fallait passer quelques jours ici pour l'apprécier à sa juste valeur.

Nous garderons un souvenir ineffaçable de notre visite dans cette métropole et nous vous prions d'accepter tous nos remerciements.

Professor BÄUMLER (Freiburg i. B.), also spoke in support as follows :—On looking round this room, I need not remind you that special charms have graced the gatherings of this Congress, more even than on former similar occasions the ladies of this hospitable city have helped to further the objects for which we have, from all parts of the world, come together in such great numbers. To those ladies is due no small share of the immediate success and of the lasting effects of this Congress. The hospitality which we met with on all sides was in quite a special manner bestowed on the foreign ladies; and while we were occupied in the more serious business of the Congress, our ladies were taken care of by the ladies' committee, they were shown places and objects of interest, they were by members of that committee taken to their houses, where, I have no doubt, they learned many an useful lesson in domestic hygiene. And when we had finished our labours in the sectional meetings, we were called to join the ladies again in those magnificient social gatherings which were so prominent a feature of this Congress. We were invited to halls replete with objects of art and industry, with collections of scientific or historical interest, halls beaming with light and splendour, and filled with the lively throng of the members of the Congress and their amiable hosts. We were taken to beautiful gardens where we could admire the peculiar charms of English landscape, and where, under shadowy trees and on green lawns, new acquaintances were formed and old friendships renewed. And, when tired from hard work in the sections or eager to escape for a while the noise and turmoil of this busy city, we could retreat for an hour to one of those splendid mansions which were so liberally thrown open to the members of the Congress, and where we could refresh ourselves in viewing rare paintings of great masters and other objects of art.

But it would be impossible, at this moment, to recall from the depths of our memories all that had been new and striking to us, and that had called forth in us feelings of admiration and gratitude. We must allow these multifarious impressions time to settle and to become part of our inner life, before we can quite realise their importance. But, long after we have returned to our own houses and our own spheres of work, the images of those impressions will rise up again, and of all that we have seen and learned and admired during this stay in London, the social

gatherings will not be the least memorable, nor the least pleasing remembrances. It was they principally that helped to bring those that had come from foreign parts into contact with English life and manners, and to make English men and women, and English ways, known to, and appreciated by them. Our sincerest thanks are, therefore, due to all those who have so amiably and so magnificently contributed to the success of this Congress; and in publicly bearing testimony to this, I beg most heartily to second this resolution.

Dr. Ibrahim Pacha (Egypt) supported the resolution in the following speech:—As delegate of the Egyption Government, I have the honour to offer my sincere gratitude to Her Majesty the gracious Queen, and to H.R.H. the Prince of Wales. I thank the English authorities for the hearty reception I have met with here, and I thank particularly the honoured chairman, Sir Douglas Galton, and the honoured foreign secretary, Professor Corfield, also my eminent English colleagues, and the English public in general for their hospitality and welcome. The fact is, that with our title of member of this Congress, all doors have been open to us, and we have been received cordially in every establishment, and shown most readily anything of interest. Our leisure time even has been filled up with festivities and instructive excursions.

Now, ladies and gentlemen, allow me to submit to you a question of great hygienic importance concerning Egypt. Egypt, in these last years under English sway, has advanced decidedly in the way of progress, and has already achieved a great many reforms in the sanitary department. This fact cannot be indifferent to Europe, for Egypt is on the highway between the Occident and the Orient. The multitude of Europeans and tourists that cross Egypt every year to and from the Orient, are naturally interested in the sanitary conditions of my country, and Egypt may check most epidemics from crossing the Mediterranean. In a word, Egypt is worth your helping her in her sanitary reforms; the more so as she is ready to pay all the expenses herself, and only asks the great Powers that keep the strings of her purse to authorise her sanitary expenses. The capital of Egypt, Cairo, in fact, is deprived of sewers. The urgency of building some was demonstrated by Mr. Latham and others, for the benefit of all the foreign and native inhabitants.

The amount of the expenses is rather high, I admit, but Egypt can now easily afford it. All of you, most honourable colleagues, understand the hygienic importance of a system of sewerage in a large town like Cairo, and I therefore beg each one of you to come to our help and let his voice be heard in his respective government in order that through your authority and advice all the great Powers may grant their consent, and allow to build the sewers with her own money.

I conclude, ladies and gentlemen, by reiterating my thanks for the kind attention and the signs of approval you have bestowed on my address.

A delegate from Moscow, and Mdlle. Rose Lyon, Paris, also supported the resolution, which was carried amid cheers.

Dr. Georg von Mayr (Munich), in proposing a vote of thanks to the Organizing Committee, said:—Je propose de voter des remerciements

les plus sincères à Monsieur le Président du Comité d'organisation et à Messieurs les Secrétaires. Vu la quantité énorme des questions soulevées à ce Congrès, ç'a été une tâche extrêmement difficile à remplir que de préparer d'une manière utile nos discussions. Cette tâche a été remplie admirablement par le travail infatigable du Comité d'organisation, et c'est à juste titre, que nous y rendons nos remerciements les plus sincères. Puisque j'ai la parole, j'y tiens aussi à exprimer mes remerciements à Monsieur le Dr. Ogle pour les bonnes paroles qu'il a bien voulu prononcer sur les études démographiques. Nous autres démographes nous sommes —surtout ici à Londres—peu nombreux en comparaison de Messieurs les hygiénistes et c'est par cela que la masse des intérêts hygiéniques paraît quelquefois un peu opprimer les intérêts démographiques. Autant de plus il a été d'un haut mérite que M. Ogle ait bien voulu tout spécialement mentionner les travaux démographiques et faire voir de cette manière, quelle part active ils ont prise aux travaux de ce Congrès, si splendidement réussi.

Si le succès du Congrès a été complet, il faut toujours y penser que la préparation tant scientifique qu'extérieure est due aux soins incessants de notre Comité d'organisation auquel nous rendons la plus profonde reconnaissance.

Professor J. Félix (Bucarest), in seconding the resolution, said: —Avant de nous séparer il nous reste un devoir à remplir, celui d'exprimer notre reconnaissance respectueuse à l'Auguste Protectrice du Congrès, S. M. la Reine, à l'illustre Président du Congrès, S. A. R. le Prince de Galles, au Bureau et au Comité d'organisation du Congrès, et en spéciale au vénérable Président du Comité Sir Douglas Galton, et à l'infatigable Secrétaire étranger, Prof. Corfield, à tous ces "gentlemen" hospitaliers qui ont eu l'amabilité de nous recevoir chez eux, aux autorités, aux administrations, qui nous ont facilité l'étude des institutions sanitaires de ce pays admirable.

Le Congrès a pleinement réussi: nous partons tous satisfaits des discussions instructives que nous avons entendues, des impulsions que nous avons reçues pour de nouveaux travaux par le contact avec les princes de la science, enrichis d'expérience et pleins de respect pour les institutions de cette nation de "gentlemen," enchantés de l'hospitalité anglaise proverbiale.

Nous prions donc nos chers collègues de la Grande-Bretagne de recevoir nos remerciements cordiaux, et d'excuser si nos paroles sont une expression trop faible de nos sentiments à nous tous.

Dr. Hewitt (Minnesota, U.S.A.), Dr. Kitasato (Japan), and Dr. Simpson (Calcutta), followed in support, the last-named saying:— In the absence of Mr. Bhownaggree, I have the honour of thanking the members of the executive, and especially Mr. S. Digby, for the hearty reception which has been accorded to the Indian delegates. Mr. Digby has been indefatigable in his labours, and I am sure it must be a source of satisfaction to him to know that we have benefited much by our visit. The delegates have heard discussed and have seen many things that are entirely new to them; they have learnt the wide range included in the term sanitary science, and they have also learnt what the application

of the principles of sanitary science has done and can do for the amelioration of those conditions of ill-health which, up to recent years, have been considered inevitable and unpreventible. The Congress has also been the means of showing that sanitary ideas are gaining ground in India, and that an interest is being aroused in the subject. At former Congresses the Government were accustomed to send a few accredited delegates, but at this one there have been present representatives from the Native States, from Indian Corporations, and from Chambers of Commerce. The Indian Medical Service in India, like the army surgeons at home, have been the pioneers in sanitary measures, and this awakening must indeed be a source of great gratification to them, as it is to myself, who have at times felt much disheartened, and have occasionally been inclined to think that efforts in the cause of sanitation were fruitless and in vain. This seems, however, to have magically changed, and I look forward to our next International Congress with the feeling that India will take a prominent share in its proceedings. No country in the world presents such an array of formidable and preventible diseases to be battled against as India. These diseases, however, need to be studied; and, to my mind, it is on the scientific spirit and enthusiasm fostered and kindled in the young men of India who attend the future meetings of the Congress that we must rely for the investigation and handling of these diseases; and in time, perhaps, when the East has learnt much from the West in the application of sanitary science, the East may teach some new things to the West. The fact that the Queen-Empress has taken such an interest in the Congress, and in its Indian delegates, will have an immense influence on the Indian people. That the Empress, whom they look up to with so much reverence, should be interested in their health, is sufficient for them also to take an interest in the matter. I may add, in conclusion, that I should not have been present here to-day had not the Prince of Wales been President of the Congress. This fact alone helped to turn the scale as to whether a delegate should be sent or not from Calcutta.

The CHAIRMAN proposed a vote of thanks to the officers of the Congress, whose unsparing work and indefatigable energy had so largely conduced to the success of the undertaking. He coupled with the vote the names of Dr. G. V. Poore, the hon. secretary-general, Professor W. H. Corfield, the hon. foreign secretary, Mr. Malcolm Morris, the hon. secretary of the reception committee, and Mr. S. Digby, the honorary secretary of the Indian committee.

The vote was warmly received and was unanimously adopted.

Dr. G. V. POORE, the hon. secretary-general, in responding, said:—That it was not without a lively emotion that he found himself at the end of something like eight months' continuous labour in connexion with the Congress. The work of organising such a Congress as this was no light labour, and it would have been impossible without the most cordial co-operation of those with whom he had been associated. He begged to be allowed to say how deeply sensible he was of the kindness and consideration which had been manifested towards him by the presidents and secretaries of the various sections, between whom and himself

nothing to cause the least friction had at any time arisen. To Dr. Corfield, the Honorary Foreign Secretary, to Mr. Digby, the Secretary for India, and especially to Mr. Malcolm Morris, the indefatigable Secretary of the Reception Committee, his acknowledgments were cordially tendered. His work had largely consisted in acting as the co-ordinating centre of 35 honorary secretaries, and the success of the Congress was entirely due to the fact that all had worked harmoniously and loyally together for the common good. He must not forget to mention the good work done by the assistant secretaries, Dr. Brock and Dr. Moline. To the latter, who had acted as financial secretary, he felt that the Congress was largely indebted. The collecting and spending of some 8,000*l.* was no light matter, and the keeping of the accounts demanded no ordinary care and attention. There were others to whom his thanks were due, and to none more than to Mr. A. W. Whalley, who had acted as assistant to the Secretary-General, and to Mr. George Cooper, the Assistant Financial Secretary, who had shown on more than one occasion his readiness to do anything which was asked of him for the good of the Congress. He must not forget to mention Mr. Tackley and the staff of 23 Post Office sorters, who had been on duty in the reception room during the week. Their work had been very hard and very harassing, but it had been done with a will and with good temper, which never failed. To Mr. Broughton, the superintendent of meeting rooms, and the staff of some 25 commissionaires, and others who worked under him, he begged also to tender his thanks. During the session of the Congress nearly 100 persons, paid or honorary had been kept steadily at work, and without the greatest forbearance and good-will the work could not have been done. (Hear, hear.)

Professor Corfield, in responding, said that he quite agreed with Dr. Poore, that the organising of such a Congress was no light matter, as he had himself been working at it since 1886; and he wished especially to thank Dr. Brock and Dr. Moline for the great assistance they had given him and his former co-secretary, Mr. Shirley Murphy, in forming the large and influential general committee, and in obtaining the appointment of delegates from various institutions all over the country, as well as from the colonies, and from foreign countries. His best thanks were also due to Mr. Bellinfante, the assistant foreign secretary, and to Dr. Michels, for their valuable assistance in connexion with the foreign correspondence. The success of the foreign work—the essential part of an International Congress—was due, in the first place, to the gracious patronage of Her Majesty the Queen; in the next to the fact that His Royal Highness the Prince of Wales kindly accepted the post of effective president, and allowed his name to be used in connexion with the letters sent to Foreign Governments; then to the Marquis of Salisbury, the Foreign Minister, for affording facilities for the transmission of all official letters through the Foreign Office; and, lastly, to the committees which had been formed in various foreign countries at his (Professor Corfield's) suggestion. The result of all this was that a far larger number of distinguished foreign hygienists had attended this Congress than had ever been got together before.

They had come from Idaho, Argentina, and New Zealand, in the extreme West, from Japan, Australia, and Tasmania, in the extreme East, from Russia, Norway, and Sweden, in the North, from India and Africa, in the South, and from most of the intervening countries. His work for the Congress for some years past had been a labour of love; he had renewed old friendships and formed new ones; and he hoped to meet those present in 1894 at the beautiful twin city which had received some of them so splendidly in 1887—the home of his old friends Von Markusovszky, Fodor, and Csatáry, and of his new ones Körösi, Müller, and Gezakresz—the lovely capital of Hungaria "An der schönen blauen Donau." (Hear, hear.)

Mr. Malcolm Morris also responded.

Sir Douglas Galton proposed a vote of thanks to the Presidents and other officers of sections, which was unanimously adopted.

Sir Joseph Fayrer, in responding, said:—In thanking you for passing the vote of thanks to the presidents of sections, I wish to say that the success of the sections was very much due to the energy of the secretaries of the sections, who received all possible aid from the home and foreign secretaries, and that it was also due to the fact that the meetings were well attended, and the papers and discussions good. With regard to my own section, I owe much to Drs. Isambard Owen, Seaton, and Martin, for their energy and zeal; they all did much to make the section a successful one, but my thanks are more especially due to Dr. Owen.

The honorary presidents and distinguished foreign gentlemen who attended the section were of the greatest assistance to me, in taking the chair from time to time and presiding most ably; and the subjects discussed were of so much interest and importance that I felt sure that the work of the section had been successful, and that all felt confident that the results of the great Congress must be beneficial, not only to this country, but to the world at large.

Sir Robert Rawlinson (Vice-President) proposed a vote of thanks to the Chairman, Sir Douglas Galton. He said:—As one of the Vice-Presidents of this Congress, I am called upon to propose a vote of thanks to our Chairman, Sir Douglas Galton, K.C.B., whose able administration has materially contributed to the smooth working of this great meeting now rising, and who has so admirably summed up the labours of the several delegates from the widespread portions of the world who have so materially contributed, by the information they have brought, to the interest of this great Congress. I have had the honour and pleasure of knowing, and of working with, your Chairman for many years, as members of the Army Sanitary Commission, and in other departments, and I have ever found him able and impressing, because master of any subject connected with public health under consideration. I venture to introduce the name of a lady, Florence Nightingale, a member of this Congress, whose name and fame are known and cherished with affection, wide as civilisation extends; and Lady Galton, the wife and co-worker with our Chairman, and Miss Nightingale are cousins. I know that both ladies have put heart into their work of benevolence,

which they have freely and voluntary undertaken, and great has been the result in the past, and greater will be the results in the future flowing from their labour. I have now to ask you to unite in a vote of thanks to Sir Douglas Galton, our Chairman, who has so happily brought this great Congress to its close.

Dr. SELL (Germany), said, in seconding the resolution :—I have great pleasure in seconding this vote of thanks to Sir Douglas Galton.

I will not entreat you with many more words in favour of this proposal when so many cheers bear our irrefutable testimony to the vast merits of our President of the Organising Committee.

His indefatigable courteousness toward all of us was combined with an amiable modesty in his co-operation for the happy issue of this Congress.

In our minds his image is intimately connected with the success of our assembly, and we shall ever bear in a thankful memory his gentle and amiable personality.

The vote of thanks was adopted by acclamation.

The CHAIRMAN, in responding, said that it had been a great matter of interest to him to assist in organising the Congress. He begged to thank the Press for the admirable manner in which they had reported the proceedings of the Congress, because, without the publicity which their reports had afforded, the proceedings of the Congress would not have been widely known as they now were, and would not have spread the information which the members of the Congress had been so assiduous in collecting. (Hear, hear.)

The proceedings then terminated, and the Congress of 1891 was brought to a conclusion.

REPORT

ON THE

Seventh International Congress of Hygiene and Demography

BY

The CHAIRMAN of the ORGANISING COMMITTEE.

The International Congresses on Hygiene were commenced in 1877 at Brussels under the especial auspices of the King of the Belgians, and have since been held at intervals of two or three years in various capitals of Europe.

After the second of these Congresses, it was decided to associate with the Hygiene Congress one on the cognate subject of Demography, which may be defined as the science of statistics applied to the social well-being of the people.

At the Congress held at the Hague in 1884 it was suggested to Dr. Corfield, who delivered an address to the Congress on that occasion, that a future meeting should take place in London. It was not, however, until after the amalgamation of the Parkes Museum with the Sanitary Institute, that a sufficiently strong hygienic body existed in London to carry forward the project.

At the Vienna Meeting in 1887, on the invitations of the Sanitary Institute of Great Britain and the Parkes Museum, conveyed to the Congress through their delegates, Dr. Corfield and Sir Douglas Galton, of the Society of Medical Officers of Health, conveyed through their delegate, Mr. Shirley Murphy, and of the National Health Society, conveyed by letter, it was resolved that the seventh Congress should be held in London in 1891; and Dr. Corfield and Mr. Shirley Murphy were elected the English representatives of Hygiene on the Permanent International Committee of the Congress, Sir Douglas Galton and Dr. William Ogle being elected the English representatives of Demography on that Committee.

In December, 1888, was commenced the formation of the General Committee for the Congress of 1891, by sending out a circular signed by the English members of the Vienna Congress, viz.: Sir Spencer Wells, Professor (now Sir George) Humphry, Professor E. Frankland, Dr. Mapother, Dr. Charles Cameron, M.P., Sir Douglas Galton, Dr. Corfield, and Mr. Shirley Murphy.

In response to this invitation, an Organising Committee was formed, which held its first meeting in June 1889, when Dr. Corfield and Mr. Shirley Murphy were elected honorary secretaries.

Dr. Brock and Dr. Moline were subsequently appointed assistant secretaries.

The necessary office accommodation and clerical assistance for carrying on the work were provided by the Council of the Sanitary Institute at the Parkes Museum.

The second meeting of the General Committee was held under the presidency of Sir Thomas Crawford, K.C.B., on July 3rd, 1890. At this meeting, H.R.H. the Prince of Wales, who had graciously consented to act as President of the Congress, was formally elected to that office.

The Queen subsequently honoured the Congress by assuming the position of Patron.

A public meeting, under the presidency of the Right Honourable the Lord Mayor, was also held at the Mansion House about the same time, with the object of making the aims of the Congress more widely known to the public. This meeting was largely attended by eminent sanitarians and persons of influence; and by securing the cordial support of the Corporation and citizens of London it largely contributed to the ultimate success of the Congress.

In November, 1890, Mr. Shirley Murphy resigned the office of Honorary Secretary to the Organising Committee; and on December 11th, Dr. Poore was elected as Mr. Murphy's successor.

A fresh arrangement was then made by which Dr. Poore undertook the office of Honorary Secretary-General, to organise the work and to arrange the various departments of the Congress, and Dr. Corfield, who had an extensive acquaintance with the foreign delegates, assumed the office of Honorary Foreign Secretary, to bring into correlation the foreign members of the Permanent International Committee, and to conduct the very large foreign correspondence.

The offices of the Congress were removed from the Parkes Museum to the rooms of the Medico-Chirurgical Society at 20, Hanover Square, W.

On December 11th there were appointed, first, a Finance Committee, with Surgeon-General Cornish, C.I.E., as Chairman, and Dr. Moline as Secretary; and secondly, a Reception Committee, of which Sir Spencer Wells, Bart., was Chairman, and Mr. Malcolm Morris, F.R.C.S.E., Honorary Secretary.

An Indian Committee was subsequently formed, of which Sir Owen Tudor Burne, K.C.S.I., was Chairman, and Mr. Digby was appointed the Honorary Secretary.

The organisation of the Sections of the Congress departed in some degree from the arrangements of former Congresses, and will be found described in the report of the Honorary Secretaries (*see* page 45).

We may point with pride to the enthusiasm which this Congress evoked in our own Empire as well as in foreign countries.

This was shown by the large number of delegates sent to it from municipalites and universities and from scientific bodies, both throughout this country as well as from abroad; and also by the large and munificent interest displayed in its success by the subjects of the Queen in our Indian Empire.

The valuable communications received and the resulting discussions, which are published in our Transactions, are an evidence of the scientific value of the Congress. This scientific success was largely due to the individual exertions made by the several gentlemen named above. On the other hand, the social success of the Congress mainly resulted from the efforts made by the Reception Committee under Sir Spencer Wells and Mr. Malcolm Morris, which were materially assisted by the splendid entertainment given to the members of the Congress by the Corporation of the City of London; as well as by the graceful skill of Mrs. Priestley and of the Ladies who contributed to the Salon in Bond Street, so generously lent by Mr. Agnew and decorated by Mr. Maple, for the reception of the Ladies of the Congress.

These various successes could never have been attained without the untiring efforts, the great organising skill, and the conciliatory methods carried on during several months by the Honorary Secretary-General, Dr. Poore; and by the energy of our Honorary Foreign Secretary, Dr. Corfield, who had prepared the way for the Congress during many years, both by correspondence and by personal intercourse with the leading hygienists of Europe.

Nor should we have received the support which we did receive from India, without the energetic efforts of Mr. Digby as Secretary to the very influential committee of representatives of India which we were so fortunate as to form.

We can further congratulate ourselves that we have a practical evidence of the efficiency of our management in the flourishing condition of our Finances. This has been largely due to the care of the Chairman of our Finance Committee, Surgeon-General Cornish, C.I.E., to the ability of the Secretary of that Committee, Dr. Moline, and to the forethought of our Editor, Dr. Shelly.

In conclusion it must be borne in mind that we should not have been able to present this satisfactory record, had we not received the earnest support of our President, H.R.H. the Prince of Wales, whose personal interest in the organisation of the Congress was a powerful element in securing its success.

DOUGLAS GALTON,
Chairman of the Organising Committee.

December, 1892.

Report on the History and Organisation of the Congress.

BY

The Honorary Secretaries.

[In this Report Dr. Corfield is mainly responsible for the early History of the Congress and for its Foreign Relations, and Dr. Poore for the rest.]

In submitting the following report, it is desirable to describe briefly the origin of the London meeting of the Congress.

In 1884, Dr. Corfield, at the request of the Organising Committee of the International Congress of Hygiene and Demography, held at the Hague, delivered one of the public addresses before that Congress.

During the meeting of that Congress, it was frequently asked why the International Congress of Hygiene and Demography had never been invited to hold a meeting in London. The obvious reply was that there was in London no one hygienic body in a position to invite the Congress, and that the Government could not be expected to initiate such a movement. It was then decided that the next meeting of the Congress should be held at Vienna in 1886. This meeting was subsequently postponed until 1887, when the Sanitary Institute, the Parkes Museum, the Society of Medical Officers of Health, and the National Health Society sent invitations to the Congress by their delegates (Sir D. Galton, Professor Corfield, and Mr. Shirley Murphy), in consequence of which it was decided that the next meeting should be held in London in 1891.

Mr. Shirley Murphy and Dr. Corfield were, during the Vienna Congress, elected the English representatives of Hygiene on the Permanent International Committee of the Congress, and Sir Douglas Galton and Dr. William Ogle were elected the English representatives of Demography on that Committee.

In December 1888, the formation of the General Committee was begun by sending out a circular signed by the English members of the Vienna Congress, viz.: Sir Spencer Wells, Professor (now Sir George) Humphry, Professor E. Frankland, Dr. Mapother, Dr. Charles Cameron, M.P., Sir Douglas Galton, Mr. Shirley Murphy, and Dr. Corfield.

The General Committee held its first meeting on June 18th, 1889, under the presidency of Sir Spencer Wells, Bart. At this meeting the following were appointed to act as an Organising Committee, with power to add to their number:—

Sir Douglas Galton, K.C.B., Professor Frankland, F.R.S., Mr. Ernest Hart, Professor Hayter Lewis, Dr. E. D. Mapother, Dr. F. S. Mouat, Dr. Thorne Thorne, Dr. Corfield, and Mr. Shirley Murphy. Sir Douglas Galton was appointed Chairman, and Dr. Corfield and Mr. Shirley Murphy Honorary Secretaries of the Organising Committee. The first meeting of the Organising Committee was held on July 29th, 1889.

Early in August, 1889, a meeting of the Permanent Committee was held in Paris; there were present Dr. Brouardel, chairman, Sir Douglas Galton, Mr. Murphy, and Dr. Corfield, members of the Permanent Committee, and also Drs. Napias and A. J. Martin, members of the French Committee, and Dr. Mapother, member of the London Organising Committee. At this meeting the progress that had been made by the Organising Committee was reported, and also the appointment of the honorary secretaries. Shortly after this, Dr. Brock and Dr. Moline were appointed assistant secretaries, and for more than two years they worked steadily, and daily, at the organization of the Congress, under the direction of the Honorary Secretaries.

The General Committee was gradually enlarged by obtaining the appointment of delegates from all the important municipal, educational, and professional bodies in the kingdom, and the work of collecting subscriptions to meet the expenses of the Congress was commenced.

The second meeting of the General Committee was held, under the presidency of Sir Thomas Crawford, K.C.B., on July 3rd, 1890. At this meeting H.R.H. the Prince of Wales, who had graciously consented to act as President of the Congress, was formally elected to that office by acclamation.

On the same day a public meeting, under the presidency of the Right Honourable the Lord Mayor, was held at the Mansion House, with the object of making the aims of the Congress more widely known to the public. This meeting was largely attended by eminent sanitarians and persons of influence, and by securing the cordial support of the Corporation and citizens of London, it largely contributed to the ultimate success of the Congress.

From the first meeting of the Organising Committee, on July 29th 1889, until the autumn of the following year, when offices were secured, at 20, Hanover Square, the whole of the work of the Congress was done at the Sanitary Institute, where accommodation was provided by the Council of the Institute free of cost.

The rooms occupied by the learned societies at Burlington House, the building of the London University, in Burlington Gardens, and also the Lecture Theatre at the Royal School of Mines, Jermyn Street, were granted by the authorities of those institutions for the use of the Congress, and St. James's Hall was secured for the opening meeting.

In 1890 His Royal Highness the Prince of Wales caused a letter to be addressed in his own name to foreign and colonial Governments all over the world, and to the Government of India, inviting them to send delegates to the Congress; these invitations were sent through the Foreign, Colonial, and India Offices respectively by the kind permission of the Marquess of Salisbury, of Lord Knutsford, and of Viscount Cross. Invitations were also sent to many foreign cities and universities. The result of these invitations is shown in the list of foreign delegates to the Congress to be found in this volume.*

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* *Vide* page 151.

In the autumn of 1890 the Organising Committee was greatly enlarged, a Reception Committee was appointed, with Sir Spencer Wells as chairman and Mr. Malcolm Morris as secretary, and a Finance Committee, with Surgeon-General Cornish as chairman and Dr. Moline as secretary, and the organisation of the various sections of the Congress was proceeded with.

The organisation of the Congress had thus been going on for more than two years, when, in November 1890, Mr. Shirley Murphy, finding that his duties as Medical Officer of Health for the London County Council did not permit of his devoting sufficient time to the work of the Congress, retired from the joint secretaryship, and on December 11th, Dr. Poore was elected to succeed him.

On March 16th, 1891, the constitution of the sections and committees was submitted in detail to a large meeting of the General Committee, over which H.R.H. the Prince of Wales, the President of the Congress, presided. At this meeting H.R.H. the President announced that Her Majesty the Queen had consented to act as Patron of the Congress.

At this meeting we, the undersigned, were appointed to our respective offices, and it was further announced that an Indian Committee had been formed, and that Mr. S. Digby had been appointed Honorary Secretary for India.

By means of his personal relations with foreign hygienists, the Foreign Secretary was able to obtain the formation of committees in Austria, Belgium, Denmark, France, Germany, Holland, Hungary, and Italy, and lists of these committees will be found, together with the list of foreign delegates, on pp. 141–186 *post*. The formation of such committees was an innovation, and no doubt contributed very largely to the success of the Congress.

Many communications were also made to foreigners of distinction by the Presidents and Secretaries of the various sections, who forwarded invitations to such foreign savants as were distinguished for their services to the departments of knowledge with which the sections were severally concerned.

The preliminary programme had already been translated into French, and approved by the President of the French Committee, and the late Dr. William Roth of Dresden, the President of the German Committee, had kindly furnished a translation of the same programme into German, and these had been printed and widely circulated in foreign countries.

The detailed prospectus was also translated into French and German for the use of the Congress, and in this connexion the services of Mr. L. Belinfante, the assistant secretary of the Geological Society and an accomplished linguist, who had been appointed assistant foreign secretary, and also the assistance rendered by Dr. Micheis, of the German Hospital, must be acknowledged.

It was decided that at the opening meeting of the Congress some of the most distinguished of the foreign delegates should be invited to make speeches on behalf of the countries they represented. These

speeches were made by Dr. Brouardel, Dean of the Faculty of Medicine of Paris, and President of the French Committee and of the Permanent Committee of the Congress; by Dr. von Coler, Chief Surgeon-General of the War Department in Berlin; Professor Alfonso Corradi, of Pavia; Mons. Josef Körösi, chief of the Statistical Department of Budapest; and Dr. Wilhelm Roth, of Dresden, president of the German Committee; whose speeches will be found in the report of the Opening Meeting of the Congress.*

The organisation of the Congress differed somewhat from those which had preceded it, and notably in the fact that the sections into which it was divided were ten in number, instead of five, as had been the case in Vienna. This appeared to the Organising Committee to be necessary, because the basis and the aims of hygiene tend constantly to widen. The Congress was not restricted to any one profession, but was a re-union of medical men, statisticians, chemists, bacteriologists, veterinarians, agriculturists, architects, engineers, educationalists, politicians, and municipal officials, working each in their appropriate sections, and with one object, the maintenance and improvement of the public health. It was, in short, a Congress of many professions, each marshalled under a selected chief. Herein lay its strength and the chief cause of its success.

The Organising Committee were most fortunate in being able to secure the services of distinguished men—the majority of them well known both at home and abroad—to take upon themselves the onerous duties of presiding over the sections, and of transacting the very heavy secretarial work involved in the organisation of, and transaction of business in, each of the sections.

With 10 presidents of sections, and 30 sectional secretaries, the machinery of the propaganda for the Congress was at once strengthened and increased, as was shown by the fact that after the sections were organised and officered, the progress of the Congress became notably quickened.

Another noteworthy feature of the Congress was the large participation in it of the municipal bodies throughout the country; no less than 125 of these bodies (town or county councils, local boards, or vestries), including the chief cities and towns in England, Scotland, and Ireland, sent delegates to the Congress, and 66 of them contributed to the funds of the Congress a sum of close upon 1,000*l.* The municipal delegates consisted largely of persons who were seriously interested in practical sanitation, and comprised many chairmen of sanitary committees, medical officers of health, and surveyors. This large participation of municipal bodies was mainly due to the action of H.R.H. the President, who ordered a letter to be addressed to the local authorities, pointing out the aims and objects of the Congress, and inviting them to take part in it. It was also largely attributable to the example set by the Corporation of the City of London, headed by the Lord Mayor, Sir Joseph Savory, Bart. The Corporation voted a sum of 2,000*l.* for

* *Vide* Volume I., pp. 13 *et. seq.*

the entertainment of the Congress, and the conversazione at the Guildhall, organised by Mr. Alderman Stuart Knill, was one of the most memorable features of the Congress week, and well sustained our reputation for national hospitality.

Attention may also be directed to the position allotted to pure science in the Congress. If sanitary details and sanitary laws be not based upon scientific principles, they are apt to be worse than useless, and the gathering together of bacteriologists, chemists, medical men, statisticians, veterinarians, and agriculturists, for the purpose of mutual discussion, constituted a feature which one may hope marks an era in the scientific history of the country, and is of good augury for the future. It may be added that all the Universities, and almost all the scientific societies in the country sent delegates to the Congress.

An important point in the organisation was the autonomy of the sections. Men of undoubted eminence having been selected as presidents and secretaries, received *carte blanche* for the arrangement of the business of the sections, the Organising Committee merely communicating to them a list of the subjects which had been recommended by the previous Congress as fitted for discussion, but leaving them, otherwise, quite unfettered. The Organising Committee retained a power of veto, but this, it is almost needless to say, was never exercised.

As regards the numerical strength of the Congress, the following facts may prove of interest: First, as regards the delegates, it will be found that 316 municipal, learned, and philanthropic bodies in the British Islands appointed 686 delegates; 39 bodies in India and Ceylon appointed 67 delegates, and 19 bodies in the British Colonies appointed 27 delegates. This gives a total of 780 delegates, appointed by 364 bodies in the British Empire.

In addition to this, 25 Governments and 197 municipal and other bodies in foreign countries appointed 352 delegates, so that we have a total of 1,132 delegates, appointed by 586 Governments, corporate bodies, and associations throughout the world.

The numbers of the delegates appointed by various bodies in Foreign Countries were as follows: Governments and Government Departments, 144; Cities, Corporations, and Provincial Councils of Health, 108; Medical and other Professional and Scientific Societies, 73; Universities, Colleges, and Faculties of Medicine, 55; Hygienic Societies, 40; and other bodies, 6. The same delegate was frequently appointed to represent more than one body.

Many of those persons who were appointed delegates were unable, from various causes, to attend the Congress; but, on the other hand, a very large number of persons interested in hygiene and demography became members of the Congress on their own initiative.

There were, altogether, 2,483 full members of the Congress, of whom 1,887 were inhabitants of the British Isles, 58 inhabitants of India and the Colonies, and 538 inhabitants of foreign countries. In addition to the 2,483 full members of the Congress, there were some 400 lady members, and about 200 representatives of the press, both British and foreign, to

whom complimentary tickets were accorded. Thus the total number of our guests during the Congress week exceeded 3,000.

Of those who, not being inhabitants of the British Isles, attended the Congress, there came from—

France	125	Roumania	9
Germany	110	Poland	8
Austria	68	Japan	7
United States	35	Canada	7
India and Ceylon	35	Sweden and Norway	5
Belgium	28	Turkey	4
Hungary	27	Portugal	3
Italy	22	Argentina	3
Denmark	21	Servia	3
Netherlands	19	Bulgaria	3
Australasia	15	Egypt	2
Spain	13	Natal	1
Switzerland	11	Monaco	1
Russia	10	Venezuela	1

The expenses connected with a Congress of such magnitude are necessarily very great, and in a country such as ours, where voluntary effort is relied upon for the accumulation of funds, and where the pecuniary help of the State is not afforded to such enterprises, the responsibilities thrown upon the finance committee were both large and serious. The balance sheet, when published, will show the amount and sources of income, and the chief items of expenditure. The total amount received from the public as donations to the Congress, given with the object of enabling the Organising Committee to disseminate information with regard to the Congress and to make suitable arrangements for the transaction of business and entertainment of the members, amounted to (approximately) 5,700*l.*; while the amount received for members' tickets and ladies' tickets amounted to (approximately) 2,500*l.* Thus the total sum collected was 8,200*l.* Of this sum, 640*l.* was collected prior to January 1st, 1891, and over 7,500*l.* during 1891.

The total number of *donors* was 1,027, many of whom (the majority in fact) also took members' tickets. All donors of 10*l.* and upwards were ultimately placed upon the list of members, irrespective of the payment or otherwise of the sum (1*l.*) which was levied from each member.

The Organising Committee are especially indebted to the trustees of the will of the late Richard Berridge, who made the handsome contribution of 500*l.* to the funds, and also to the following contributors, who made donations of 50*l.* and upwards. The Maharajah of Vizianagram, 200*l.*; H.H. the Maharajah of Bhavnagar, H.H. the Maharajah Gaekwar of Baroda, H.H. the Nizam of Hyderabad, H.H. the Maharajah of Jeypore, H.H. the Maharajah of Mysore, H.H. the Maharajah of Travancore, the British Medical Association, the National Society for Aid to the Sick and Wounded in War, the Corporation of Glasgow, the

Duke of Northumberland, the Duke of Westminster, and Messrs. N. M. Rothschild and Sons, who contributed each 100*l.*; and to H.H. the Maharajah of Cooch Behar, the Fishmongers' Company, the Mercers' Company, the Merchant Taylors' Company, the Clothworkers' Company, the Goldsmiths' Company, the Royal Agricultural Society, the Royal College of Veterinary Surgeons, the Corporation of Edinburgh, the Corporation of Newcastle-on-Tyne, Lord Rothschild, and Lord Iveagh, who contributed 50*l.* or 52*l.* 10*s.* The full list of donations will be found at p. 265, and will be seen to contain abundant evidence of the warmth of the support accorded to the Congress by all classes, a support which has enabled the Organising Committee to thoroughly discharge its liabilities. It will be readily admitted that the work of collecting and disbursing more than 8,000*l.* involves a large amount of serious labour; and how arduous the work became at last will be understood when it is stated that of the total sum collected, over 5,000*l.* (chiefly in small sums) was collected after July 1st, 1891; that is in the last five or six weeks before the opening of the Congress. The Finance Committee, under the chairmanship of Surgeon-General W. R. Cornish, C.I.E., have already held 35 meetings, and their work will not have terminated until the publication of the final balance sheet. When it is borne in mind that each donation or subscription entailed a series of separate clerical acts, one will be able to appreciate the great services rendered to the Congress by Dr. Paul Moline, the financial secretary, and Mr. George Cooper, the assistant financial secretary and collector.

The 8,000*l.* which was actually paid into the coffers of the Congress does not by any means represent the whole of the financial help which was received. Thus it will be noted that among the donors to the Congress, the Corporation of the City of London does not appear, while in reality that body must be regarded as the most munificient of all our contributors by reason of the sum of 2,000*l.* which it voted for the hospitable entertainment of the Congress at the Guildhall.

In the proceedings of the Closing Meeting (*see* page 30) will be found a list of public bodies and private individuals to whom thanks were tendered for various acts of hospitality. These acts of hospitality in many cases involved a considerable expenditure of money, and in estimating the contributions to the Congress, one must be careful to include those whose contributions were made in other ways than by giving money donations. If this be done, the addition of many thousands of pounds must be added to the receipts and disbursements made on behalf of the Congress.

The arrangements necessary for the meeting of the Congress and the transaction of its business involved many details, to which it may be permitted to shortly allude.

The Congress was very fortunate in the situation and the character of the rooms which were placed at the disposal of the Organising Committee. To the learned societies which occupy Burlington House, to the Senate of the University of London, to the director of the Royal School of Mines, and to Messrs. Agnew, of Bond Street, the Congress is largely indebted for its success. All the sectional meeting rooms,

the reception room, and the "ladies drawing room" in Bond Street, were within a few yards of each other, and of St. James's Hall—which was hired for the purposes of the inaugural meeting. The advantages of having the whole business of the Congress transacted within a few minutes walk of the reception rooms contributed very largely to the comfort of the members.

A volume of "Abstracts," including *resumés* of the papers received up to that date, arranged under the headings of their several Sections in the order in which they were expected to be read, was published at the end of July, and a copy was supplied to each member and guest of the Congress.

The Society of Medical Officers of Health kindly undertook to issue during the session of the Congress a daily number of "Public Health," the Journal of the Society, and the six numbers issued during the week of the Congress proved of great use to the members, and were much appreciated. The first number contained not only the general programme of the Congress, but a series of articles written by members of the Society on different topics connected with the sanitation of London and its immediate neghbourhood, while the succeeding numbers gave the details of the work of the 10 sections, and a record of the social and other events connected with the gathering. The "Lancet" and "British Medical Journal" published special Congress numbers, and the events of the Congress were amply chronicled in the Daily Press, and in the various Professional Journals interested in its work. The "Times" devoted over 60 columns to the Congress, while the other daily papers gave very full and excellent reports. The public owes a deep debt of gratitude to the Press for this wide dissemination of so many interesting papers and debates.

In addition to "Public Health," for which a small sum was necessarily charged, the Organising Committee distributed on August 11th and three following days 2,000 copies daily of the "Daily Programme," containing the programme of each section for the day, and a list of the excursions and social gatherings arranged for the day. This work was admirably carried through, thanks to the promptitude of the sectional secretaries in furnishing their programmes, and to the energy of Mr. Whalley, who saw the publication through the Press.*

Among other matters for which arrangement had to be made, was that of interpretation. The official languages of the Congress were English, French, and German, and it was obligatory that all communications to the Congress should be made in one of these three languages.

* It may be well to place on record that on Thursday, August 13th, the "copy" for the next day's programme was stolen and has never been found. Mr. Whalley, however, from various sources at his disposal, assisted by an excellent memory, soon provided fresh "copy," and the Friday's programme was issued as usual, and almost without any errors. The daily programme for each day was printed on paper having a distinguishing colour, and the name of the day of the week printed in very big type at the head of the first page. In this way members were largely saved the annoyance of accidentally referring to programmes not dealing with the instant day.

All French and German translations provided for the Organising Committee were made by persons born in France and Germany respectively, and it was found that in those few instances where this rule was departed from, the translations had to be made a second time.

Every section had *carte blanche* to make its own arrangements for interpreting its discussions, and in every section at least one secretary was selected on account of high linguistic attainments. It is evident that for the interpretation of the business of the sections not only was a knowledge of French and German necessary, but likewise a technical knowledge of the subjects under discussion.

The amount of interpretation found necessary in the various sections varied very much. In some sections the greater part of the communications were in English, and in others, such as the Bacteriological Section, it was found that the service of interpreters was hardly necessary, because the majority of those who took part in the discussion were quite able to understand the papers and speeches made in the three official languages.

At the opening meeting it was not practicable to employ an interpreter, because of the exigencies of time; and, indeed, interpretation was not necessary, because no immediate discussion was invited on the addresses made, and translations of them were supplied to the daily papers.

At this meeting the following gentlemen kindly gave their services as "stewards" and conducted members to their seats: Dr. Pasteur, Dr. Pernet, Dr. F. B. Wells, Mr. Arthur Jackson, and Mr. H. Bullock. The two first named were invited to do this work mainly on account of their intimate knowledge of French and German. Dr. Pasteur was on duty on the platform, while Dr. Pernet took charge of that part of the hall especially allotted to foreign delegates.

At the closing meeting, Mr. Adolphe Smith, one of the honorary secretaries of the Demographical Division, kindly interpreted those addresses which were made in French, and also the English speeches for the benefit of the French members. This added greatly to the interest of the final meeting.

The details of the sectional meetings are given at length in Volumes I. to X. of the Transactions, which are devoted to chronicling the proceedings of the several sections. In addition to the ordinary sectional meetings a special meeting of members of Congress and others was held on Tuesday, August 11th, under the presidency of Sir Douglas Galton, to consider "The Education and Registration of Plumbers in "relation to Public Health"; and two public meetings of the Indian Committee were held on Thursday and Friday (August 13th and 14th), under the presidency of Sir Mountstuart Grant Duff. The details of these meetings will be found in Volumes XIII. and XI. of the Transactions.

The social arrangements made for the entertainment of members were very numerous, and the organisation of them threw a great deal of very heavy work on the Reception Committee. This work would have been very much lighter had it been possible to allow the Congress ticket

to admit to all the social gatherings. This was not possible, because the number of members who might attend the Congress was unknown up to the very hour of opening, and it is manifest that the exigencies of space, not to speak of other considerations, made it quite impossible for those who gave entertainments not to adopt some means of limiting the numbers.

The following were among the chief arrangements organised by the Reception Committee, of which Sir Spencer Wells, Bart., was the chairman, and Mr. Malcolm Morris, F.R.C.S., the indefatigable honorary secretary.

A special Handbook for London, printed in French and English, containing several maps and plans, and mainly devoted to those matters having a special interest for members of the Congress, was presented to every member.

A congress badge from a design by Mr. Thomas W. Cutler, F.R.I.B.A., was presented to every member. The design of this badge is shown on the title page of each volume of the transactions. The adoption of this badge was largely due to the suggestion of Mr. Ernest Hart, and it will be admitted that not only was it a very pleasing souvenir of the Congress, but that it served a most useful purpose by enabling members of Congress to be instantly identified, thus adding considerably to their comfort.

The social festivities commenced on the evening of Monday, July 10th, with the banquet given by Sir Andrew Clark, Bart., M.D., President of the Royal College of Physicians. This banquet was given by Sir A. Clark in his private capacity and took place in the library of the Royal College of Physicians, which was placed at the disposal of their president by the Fellows of the College. His Royal Highness the Prince of Wales honoured the banquet with his presence, and a very distinguished company (125 in number) had the honour of meeting His Royal Highness.

On the evening of the 10th the President (Mr. T. Bryant) and Council of the Royal College of Surgeons gave a brilliant reception at the College, the Hunterian Museum being thrown open for the occasion. The College having ample space at its command, extended its hospitality to ladies and gentlemen alike, and most considerately allowed the Congress ticket to be a sufficient pass for the guests. This relieved the Reception Committee of the great difficulty which was experienced in distributing invitation cards so as to deal equitably with all members of the Congress.

On Tuesday, August 11th, the Baroness and Mr. Burdett Coutts, M.P., gave a magnificent garden party at Holly Lodge, Highgate, at which everything was done by the hospitable hosts for the comfort and amusement of the guests; and in the evening the Lord Mayor and Corporation entertained the Congress at a reception in the Guildhall. The Guildhall was temporarily enlarged and magnificently decorated for the occasion, and the entertainment was of a character to fully sustain the reputation of the great city of London for unrivalled

hospitality. To Alderman Stuart Knill, the chairman of the special committte appointed by the Common Council to carry out this conversazione, and to Sir John Monckton, the Town Clerk, who was indefatigable in making arrangements for the comfort of the members of the Congress who attended, the warmest thanks are due. The entertainment was one which can never be forgotten by those who had the honour of being invited.

On Wednesday, August 12th, Sir Edwin and Lady Saunders received the Congress at a garden party at Wimbledon. Lord and Lady Wantage gave a garden party at Carlton Gardens. The National Health Society gave an afternoon reception, as did also the Royal Normal School for the blind. The Public Health Medical Society and the Fellows Club of the Royal College of Physicians gave banquets, and in the evening the Royal College of Physicians received the gentlemen of the Congress at the College in Pall Mall, and Mrs. Priestley and the other members of the Ladies' Committee received the ladies of the Congress at Messrs. Agnew's Galleries in Bond Street, which were magnificently and gratuitously decorated and upholstered by the Messrs. Agnew and Mr. Blundell Maple, M.P.

On Thursday, August 13th, 45 Foreign, Indian, and Colonial delegates were entertained at luncheon, at Osborne, by command of Her Majesty the Queen, Patron of the Congress, and afterwards had the honour of being presented to Her Majesty by His Royal Highness the Prince of Wales, President of the Congress.

The party which went to Osborne left early by a special train, and were taken over from Portsmouth in the Queen's yacht. They were accompanied by Sir D. Galton, Dr. Poore, Prof. Corfield, and Mr. S. Digby. Luncheon was provided at 2 o'clock. The following is an official list of Her Majesty's guests:—

Country.	Name.	Description and Qualification.
AUSTRIA HUNGARY.	Dr. Emil Kusý -	Ministerialrath, Sanitats referent. Delegated by Minister of the Interior.
	von Gruber, Franz Ritter.	Hofrath Professor of Architecture. Delegated by Imperial Council of Health.
	Ludwig, Dr. Ernst	Hofrath Professor of Applied Chemistry at the Pathological Institute. Delegated by Minister of Finance.
	Fodor, Dr. J. -	Professor of Hygiene, University of Budapest. Delegated by Minister of Public Worship and Education.
BELGIUM -	Beco, M. E. -	Secretary General of the Department of Agriculture, Industry, and Public Works. Delegated by Minister of Agriculture and Public Works.
	Janssens, Dr. E. -	Inspecteur en chef de l'Hygiène à Bruxelles, Membre de la Commission Centrale de Statisque de Belgique, de l'Académie Royale de Médecine et du Conseil Supérieur d'Hygiène.

Country.	Name.	Description and Qualification.
DENMARK -	LEHMANN, Dr. J. -	Dean of the Royal Sanitary Council. Delegated by the Danish Government.
	BERG, HANS V. -	Medical Director of the Navy. Delegated by Danish Naval Department.
	LAUB, Surg.-Col. -	Delegated by the Danish Army Department.
EGYPT - -	IBRAHIM, Dr. HASSAN PASHA.	Inspector Sanitary Department and Professor of Hygiene.
FRANCE -	BERGERON, Dr. ETIENNE JULES.	Secrétaire perpétuel de l'Académie de Médecine, Vice-President du Comité Consultatif d'Hygiène Publique. Delegated by Ministry of Public Instruction.
	BROUARDEL, M. le Dr.	Doyen de la Faculté de Médecine de Paris, Président du Comité Consultatif d'Hygiène Publique. Delegated by French Government.
	CHAUVEAU, M. le Dr. AUGUSTE.	Membre de l'Institut. Delegated by the Ministry of the Interior of Public Instruction and of Agriculture.
	FÉRAUD, M. le Dr. BÉRANGER.	Président du Conseil Supérieur de la Marine. Delegated by the French Government.
	LEVRAUD, Dr. -	Président du Conseil Municipal de la ville de Paris. Delegate of City of Paris.
	ROUX, M. - -	Pasteur Institute, Paris.
GERMANY -	BUCHNER, Dr. -	Professor at Munich University. Delegated by the Bavarian Government.
	COLER, Dr. VON -	Geheimer Obermedicinalrath. Delegated by the Medical Department of the Prussian Army.
	SELL, Professor -	Geheimer Regierungsrath. Delegated by the German Empire.
	PISTOR, Dr. -	Geheimer Medicinalrath. Delegated by the Prussian Government.
	ROTH, Professor Dr. W.	President of German Committee of the International Congress. Generalarzst des XII. K. S. Armée Corps. Delegated by War Ministry of Saxony.
	VON KOCH, Professor	Delegate of Government of Würtemberg.
ITALY - -	MOSSO, Dr. ANGELO	Professor at Royal University, Turin. Delegated by Italian Government.
	CORRADI, Dr. A. -	Professor at Royal University, Pavia. Delegated by Italian Government.
JAPAN - -	GOTOH, Dr. SHIMPEI	Official Expert in Ministry of Interior, Tokio. Delegated by the Government of Japan.
THE NETHERLANDS	VAN OVERBEEK DE MEYER, Dr. G.	Professor of State University, Utrecht. Delegated by the Government of the Netherlands.
	RUYSCH, DR. W. P. -	Conseillier pour le service Sanitaire Departement de l'intérieur. Delegated by the Government of the Netherlands.

Country.	Name.	Description and Qualification.
ROUMANIA -	FÉLIX, Dr. I. -	Professeur à l'Université de Bucarest, Membre du Conseil Sanitaire Supérieure de Roumanie, Médecin en Chef de la Ville de Bucarest. Delegated by Government of Roumania and city of Bucharest.
RUSSIA - -	KOWALKOWSKI, Professor CONSTANTIN.	Professeur d'Hygiène à l'Université Imperiale de Varsovie. Delegated by Imperial University, Warsaw.
SPAIN - -	VILANOVA Y PIERA, DON JUAN.	President of Health Section of Royal Academy of Medicine. Delegated by Spanish Government.
SWEDEN AND NORWAY.	LINROTH, Dr. -	Chief Medical Officer, Stockholm. Delegated by Swedish Government and by city of Stockholm.
	BENTZEN, Dr. GOTFRIED E.	Director of the Civil Medical Service, Christiania. Delegated by Government of Sweden and Norway.
SERVIA - -	GEORGEVITCH, Dr. -	Delegated by Servian Government.
SWITZERLAND -	GUILLAUME, Dr. -	Director of the Federal Bureau of Statistics. Delegate of the Swiss Government.
	GÖLDLIN DE TÍEFENAU, Col. Dr.	Instructeur en Chef des troupes Sanitaires Suisses. Delegate of the Swiss Government.
UNITED STATES OF AMERICA.	WOODHULL, Major ALFRED.	Medical Department, United States Army. Delegated by U.S. Government Army Department.
	WALES, Lieut.-Col. PHILIP S.	Medical Director of the U.S. Navy. Delegated by U.S. Government Naval Department.
	SALMON, Dr. -	Chief of Bureau of Animal Industry in the U.S. Department of Agriculture. Delegated by Department of Agriculture.
	INDIAN EMPIRE AND CEYLON.	
INDIA - -	SIMPSON, Dr. -	Sanitary Officer of Calcutta. Delegate of Corporation of Calcutta.
	BHOWNAGGREE, MANCHERJEE, C.I.S.	Member of the Bhavnagar Judicial Council. Delegate of Maharajah of Bhavnagar.
	RAY, Dr. PRASANNA KIMAR.	Professor at Presidency College. Delegated by Chancellor and Syndicate of Calcutta University.
CEYLON - -	FERNANDO, Dr. SOLOMON.	Delegate of Government of Ceylon, and of Medical College.
	BRITISH COLONIES.	
CANADA - -	COVERNTON, Dr. -	Delegated by Ontario, Canada.
NEW SOUTH WALES.	THOMPSON, Dr. J. ASHBURTON.	Delegated by Government of New South Wales.
VICTORIA -	BOWEN, Dr. AUBREY	Delegated by Government of Victoria.

On Thursday, August 13th, the Sanitary Institute gave an afternoon reception at the Parkes Museum of Hygiene, and in the evening there was a subscription dinner at the Crystal Palace, which was attended by

nearly 700 members of the Congress. The dinner was followed by a display of fireworks.

On Friday, August 14th, Sir Spencer Wells entertained 2,000 members at a garden party at Golder's Hill, Hampstead, and in the evening the Executive Committee gave a conversazione at the South Kensington Museum, which was placed at the disposal of the Congress by the Committee of Council on Education.

The University of Cambridge having decided to confer the honorary degree of LL.D. on a few distinguished foreigners, selected the following to receive that honour :—Dr. Brouardel, Dean of the Faculty of Medicine of Paris; Professor Alphonso Corradi, of the University of Pavia; Professor J. Fodor, of the University of Budapest; Professor von Inama Sternegg, of the University of Vienna; and Baron von Esmarch, of Kiel. The two last were unable to be present at the Congress, but the three first-mentioned (with a numerous party of Foreign Members of the Congress) were conducted by the Honorary Foreign Secretary to Cambridge on Saturday, August 15th, when the honorary degree of LL.D. was conferred upon them by the Vice-Chancellor in the Senate House, and the following appropriate orations were made by the Public Orator, Dr. Sandys, in presenting them to the Vice-Chancellor.

" Dignissime domine, domine Procancellarie, et tota Academia :—

" Nescio quo potissimum exordio hospites nostros, qui de salute publica nuper deliberaverunt, senatus nomine salutare debeam. Ad ipsos conversus, illud unum dixerim :—qui aliorum saluti tam praeclare consuluistis, vosmetipsos omnes iubemus salvere. Ea vero studia, quae vobis cordi sunt, gloriamur in Britannia certe Academiam nostram primam omnium adiuvisse. In salutis publicae ministris nominandis valent plurimum diplomata nostra, valent etiam aliarum Academiarum, quae, exemplo nostro incitatae, laudis cursum eundem sunt ingressae. Hodie vero collegarum vestrorum nonnullos, qui gentium exterarum inter lumina numerantur, diplomate nostro honorifico decorare volumus. Nemini autem mirum sit, quod viros medicinae in scientia illustres iuris potissimum doctores hodie nominamus. Etenim Tullium ipsum in libris quos de Legibus composuit, scripsisse recordamini populi salutem supremam esse legem.

" (1) Primum omnium vobis praesento gentis vicinae, gentis nobiscum libertatis bene temperatae amore coniunctæ civem egregium, Parisiorum in Academia medicinae forensis professorem praeclarum, facultatis medicae decanum dignissimum, salutis denique publicae annalium editorem indefessum. Olim Caesar omnes medicinam Romae professos civitate donavit; nos non omnes certe, sed, habito delectu aliquo, unum e reipublicae Gallicae medicis illustrissimis, qui admirabilem in modum medicinae et iuris studia consociavit, corona nostra ob cives etiam in pace servatos libenter coronamus.

" Duco ad vos Paulum Camillum Hippolytum Brouardel.

" (2) Quo maiore dolore Austriae et Germaniae legatos illustres absentes desideramus, eo maiore gaudio Italiae legatum insignem praesentem salutamus. Salutamus Academiae Bononiensis, nobiscum

vetere hospitii iure coniunctae, alumnum, tribus deinceps in Academiis, primum Mutinae, deinde Panormi, denique Ticini in ripa professorem, qui medicinae scientiam cum rerum antiquitus gestarum studiis feliciter consociavit, quique in Italiae scriptoribus eximiis, non modo in Boccaccio sed etiam in Torquato Tasso, artis suae argumenta non indigna invenit. Quondam imperator quidam Romanus Roma in ipsa augurium salutis per annos complures omissum repeti ac deinde continuari iussit. Quod autem salutis publicae concilio Londinensi etiam Italia interfuit, velut augurii felicis omen accipimus. Recordamur denique poetam antiquum urbis aeternae de nomine his fere verbis non inepte esse gloriatum :—

> Roma ante Romulum fuit ;
> non ille nomen indidit,
> " sed diva flava et candida,
> Roma, Aesculapi filia."

" Duco ad vos Aesculapi ministrum fidelissimum, ALPHONSUM CORRADI.

" (3) Quis nescit urbem florentissimam quod Hungariae caput est, nomine bilingui nuncupatam, fluminis Danubii in utraque ripa esse positam. Quis non inde nobis feliciter advectum esse gaudet salutis publicae professorem insignem, virum titulis plurimis cumulatum, qui etiam de Angliae salubritate opus egregium conscripsit. Idem, velut alter Hippocrates, de aëre, aquis et locis praeclare disseruit. Olim Hippocrates ipse corona aurea Atheniensium in theatro donatus est : nos Hippocratis aemulum illustrem laurea nostra qualicunque in hoc templo honoris libenter ornamus.

" Duco ad vos bacteriologiae cultorem acerrimum, IOSEPHUM DE FODOR "

The guests were entertained at a luncheon given by the Cambridge Committee in the hall of King's College, and afterwards at a garden party given by The Master of Trinity.

The whole of the arrangements for the reception and entertainment of the guests at Cambridge were carried out by Dr. Donald McAlister, of St. John's College, in the most admirable manner.

On Saturday, August 15th, Dr. and Mrs. Langdon Down gave a garden party at Normansfield, Hampton Wick.

In addition to the above-mentioned, there were several other excursions and entertainments, which more than filled up the leisure of the members.

The Royal Botanical Society and the Zoological Society threw open their gardens gratuitously to members during the Congress week.

Many of the more notable buildings of London, with their art treasures, were made accessible to members by the courtesy of their proprietors.

Her Majesty the Queen accorded to all members the privilege of visiting Buckingham Palace ; and Apsley House (the Duke of Wellington's), Stafford House (the Duke of Sutherland's), Grosvenor House (the Duke of Westminster's), Syon House (the Duke of Northumberland's), Dudley House (Earl Dudley's), and Bridgewater

House (the Earl of Ellesmere's), were each thrown open to members of the Congress, who largely availed themselves of these exceptional opportunities. Many of the club-houses, colleges, hospitals, asylums, and prisons, were also freely opened to members on presentation of their cards of membership.

Many local boards and municipalities arranged special excursions, in order to give to members an opportunity of viewing their municipal and sanitary works, and many private companies occupied in work related to sanitation invited members of the Congress to view their plant and processes.

Among these were Bournemouth, Birmingham, Wolverhampton, Ealing, Friern Barnet, the Metropolitan Asylums Board, the Thames Iron Works, the Cremation Society of England, the Refuse Disposal Company, Chelsea, the London County Council, Gravesend, the Lambeth, Grand Junction, Vauxhall, and East London Water Companies, and the Gaslight and Coke Company. Sir Donald Currie placed his steamship the "Drummond Castle" at the disposal of the Congress, and on August 14th, conveyed 190 guests to the Becton Gasworks and the sewage outfall at Barking.

On Saturday, August 15th, Surgeon-General Madden and the officers of the Army Medical Staff entertained 50 members at luncheon, at the Hospital Mess, Netley. And on Sunday, August 15th, Dr. George Buchanan, the Chief Medical Officer of the Local Government Board, invited a party of 50 to join him in an excursion from Maidenhead to Henley, on board an electric launch.

On Sunday, August 16th, the Venerable Archdeacon Farrar preached a special sermon to members of the Congress in Westminster Abbey.

The following municipal and county authorities afforded to members of the Congress special facilities for viewing the sanitary works and public institutions under their care, viz.:—

The corporations of Aberdeen, Brighton, Burslem, Croydon, Carlisle, Chester, Chichester, Dover, Derby, Dublin, Eastbourne, Folkestone, Hanley, Hereford, Leicester, Liverpool, Manchester, Nottingham, Nairn, Portsmouth, Ramsgate, Selkirk, Southampton, Stafford, Stratford-upon-Avon, Salisbury, Tynemouth, Wigan, Wilton (Salisbury), York.

The county councils of London, Northumberland, and The West Riding of Yorkshire.

The vestries of Marylebone, Paddington, St. George's Hanover Square, St. James' Westminster, St. Mary's Newington, Mile End Old Town, and St. Pancras.

The Boards of Works of the districts of Holborn, St. Giles', Strand, and St. Olave's Southwark.

It would be difficult to over-estimate the services rendered to the Congress by Mrs. Priestley and the members of the Ladies' Committee, who were indefatigable in making arrangements for the comfort and amusement of the numerous lady-members of the Congress. The ladies' drawing-room in Bond Street was always thronged, and none can forget the kindness and hospitality which were lavished upon all comers.

The success of the Congress was also largely increased by the efforts of Lady Galton and other members of the Ladies' Committee who entertained foreign guests at their homes.

The Organising Committee have to acknowledge the presentation of works of great interest by several members of the Congress. Dr. Julius Lehmann, of Copenhagen, Dean of the Royal Sanitary Commission, and President of the Danish Committee, presented on behalf of his countrymen 1,700 copies of a large work (474 pages, royal octavo), entitled, "*Denmark, its Medical Organisation, Hygiene, and Demography*"; and Dr. Emile Coni, of Buenos Ayres, presented 900 copies (56 pages, small octavo) of a work entitled "*Les Progrès de l'Hygiene Publique* "*dans la Republique Argentine.*" These volumes have been distributed to members of the Congress, and have been greatly appreciated. Other gifts, also, of books and of apparatus were presented by individual members to the several Sections in which they were specially interested.

The Society of Arts, as administrators of the Benjamin Shaw Trust, invited the assistance of the Organising Committee in awarding two prizes, each of the value of 20*l.*, for any new invention or discovery communicated or exhibited to the Congress, having for its object the "obviating or materially diminishing any risk to life, limb, or health, "incidental to any industrial occupation." One application only was made for this prize, and on its being referred to the Society of Arts, the Council of that body decided that the invention in connection with which the application was made did come within the terms of the Trust.

A very important matter in connexion with the Congress has been the printing of the papers, first separately, and ultimately in the form of "Transactions." It is evident that the expenditure involved by such a large amount of printing must be very great, and since the financial position of the Congress was necessarily a matter of doubt, it behoved the organising and finance committees to move with great caution.

In the first place, a sub-committee was formed for arranging a printing contract and generally superintending the business arrangements with the printers. This sub-committee consisted of Mr. MacAlister, the secretary of the Royal Medical and Chirurgical Society; Mr. Ernest Clarke, the secretary of the Royal Agricultural Society; and Mr. White Wallis, the secretary of the Sanitary Institute. These gentlemen had each of them large experience of printing contracts for programmes and transactions, and the Congress is greatly indebted to them for the large amount of skill and knowledge which they have brought to bear upon this most important detail of the Congress. A specification for printing was first prepared, and this was sent to some of the leading firms of London, with an invitation to them to tender for the contract. The result of this was that the printing contract was given to Messrs. Eyre and Spottiswoode, whose terms were considered to be the most favourable.

The editing sub-committee were also asked to recommend a gentleman to undertake the duty of compiling the volume of Abstracts and editing the Transactions, a duty involving much hard work as well as high literary, linguistic, and scientific attainments. In their selection of Dr. Shelly, of Hertford, for this important work, a great boon was

conferred upon the Congress. The Transactions will speak for themselves, but we feel bound to express our gratitude to Dr. Shelly for the business-like method with which he has discharged his arduous duties, and for the promptitude he has shown in dealing with the numerous points upon which it was necessary for us to confer together.

The appearance of the Transactions may by some be considered to have been unduly delayed, but those who have experience in such matters will at once recognise the difficulties when it is remembered that the authors of the various papers are literally scattered over the globe, and that to communicate with them was necessarily a slow process. The delay has certainly not been in any way attributable to the editor, who has throughout supplied the printers with manuscripts far quicker than they supplied him with proofs. An unfortunate fire which took place in the spring of the year, although it spared the property of the Congress, disarranged the establishment of Messrs. Eyre and Spottiswoode, and necessitated the thrusting aside for a time of private contracts in favour of Government printing, which was urgent.

The success of the Congress has been very largely due to the division of labour and the zeal with which each department was worked; but as the organisation of the parts became more perfect the work in the central office became steadily more arduous, until at last the mere labour of opening letters and ordering the correspondence occupied several hours daily. During the session of the Congress the paid and honorary staff amounted to more than 100 persons, and some idea of the work involved by the organisation may be gathered from the statement that 195,250 circulars, 110,310 programmes, and 20,000 invitation cards and programmes were disseminated, while the general correspondence took over 22,000 sheets of note paper and correspondence cards.

Two meetings of the Permanent Committee were held during the Session of the Congress, the first on Monday, August 10th, before the opening meeting of the Congress, when the report on the organisation of the Congress prepared by Dr. Corfield* was approved, and Sir Douglas Galton was requested to present it to H.R.H. the President of the Congress, at the opening meeting, and when Professor Fodor, of Hungary, and Professor Van Overbeek de Meÿer, of Holland, were added to the Permanent Committee for Hygiene, and Monsieur Josef Körösi, of Hungary, and Dr. Janssens, of Belgium, to the Permanent Committee for Demography; and the second on Friday, August 14th, when an official invitation from the municipal authorities of Bucharest to hold the next Congress in that city was presented by a deputation headed by Monsieur Körösi, and an unofficial invitation to hold the next Congress in Chicago in that city in 1893, was presented by Dr. Hewitt, of Minnesota, on behalf of the American Public Health Association. The Permanent Committee decided to recommend that the next Congress should be held in 1894, and not in 1893, on account of fact that the next meeting of the International Medical Congress is to be held in Rome in 1893, and they also unanimously decided (while thanking

* *See* Report of the Opening Meeting, Vol. I., p. 9.

Dr. Hewitt) to recommend that the invitation from the authorities of Budapest be accepted, as they thought it undesirable that the Congress should be held twice in succession in English-speaking countries.

The Permanent Committee then appointed a Sub-Committee consisting of five members, three for Hygiene, and two for Demography, to prepare a scheme for the organisation of future congresses and for the representation of the various countries on the Permanent Committee. The following members were appointed to serve on the Sub-Committee:—Dr. Brouardel (France), Professor Fodor (Hungary), and Professor Corfield (England), for Hygiene, and Monsieur Körösi (Hungary) and Dr. Janssens (Belgium), for Demography. The Sub-Committee was instructed to prepare a report to be presented at the next meeting of the Permanent Committee.

It was decided at the closing meeting of the Congress that the next Congress should be held at Budapest in 1894.

W. H. Corfield,
Hon. Foreign Secretary
G. V. Poore,
Hon. Secretary-General
} Hon. Secretaries to the Organising Committee.

December 1892.

APPENDIX.

The following facts dealing with certain details of organisation are given with the hope that they may prove useful to the organisers of future Congresses.

There are difficulties connected with such a gathering which are inseparable from it, and which it is impossible to entirely overcome.

In the first place, there is no means of knowing the exact number of persons which will have to be provided for. Every means was used to persuade intending members to make early application for tickets, and with very considerable success; but the numbers who joined at the last moment were sufficient to upset any estimate which might have been made.

The opening day of a large Congress is necessarily a day of some confusion, but one may claim the credit of having made the fullest arrangements possible for dealing with a large concourse of persons.

For our reception room we selected *the biggest room at our disposal*, viz., the library of the University of London, which measures 70 ft. × 50 ft., and is admirably lighted from above. In the centre of this room was erected a rectangular counter enclosing an open area, and with a minimum space all round it of 10 ft., so as to allow of free circulation. This counter had an internal measurement of 108 ft., and was divided into 24 compartments of 4 ft. 6 ins., with a clerk at each compartment, except at that which served for an entrance. The vertical uprights which marked the 23 divisions of the counter were connected at their upper ends by a wire, and from this wire in the intervals between each pair of uprights were suspended placards (printed *on both sides*) indicating the letter or letters of the alphabet with which each clerk had to deal, or the

name of the excursion or entertainment, tickets for which were to be got at any particular division of the counter. This arrangement answered well, and it is probable that no other arrangement would have proved equally efficacious. At least 50,000 documents and letters were distributed over this counter during the session of the Congress. It was said to look bare, and by some I was urged to have it draped. This was impossible, because in order that the counter should fulfil its purpose, it was necessary that a person entering the room in which the counter was situated should be able to see not only the side of the counter with its placards which was nearest to him, but also that which was farthest from him. This he was able to do at a glance, and thus to select that particular division of the counter which dealt with the initial letter of his own name and where documents would be awaiting him. The bareness of the counter, and the very small extent to which it obstructed the line of vision, was really the secret of its success. The space enclosed by the counter enabled the clerks to communicate with each other or with the other officials with the greatest ease, and it made these latter very accessible and visible to all members of the Congress entering the reception room. The reception room was opened on Saturday, the 8th of August, at 10 a.m., and as we were only able to get possession of the room on the afternoon of the 9th, it will be admitted that great credit is due to Mr. Affleck, the contractor for the temporary fittings, for the expeditious manner in which his work was carried out.

The reception room served for the display of a fine collection of architectural drawings, which were hung under the superintendence of Mr. Thos. W. Cutler, F.R.I.B.A., one of the honorary secretaries of the Architectural Section, and the designer of the Congress badge. The Congress is much indebted to Mr. Cutler for a great deal of help in various directions; and, personally, I feel much indebted to him for a great deal of valuable advice, which was always freely and cheerfully given whenever I had occasion to lay his technical and artistic knowledge under contribution.

The inaugural meeting of the Congress, under the Presidency of H.R.H. the Prince of Wales, took place at St. James's Hall at 3 p.m. on Monday, August 10th. The admission to this meeting was by special tickets, which were issued to members on payment of their member's fee. The main reason for having a special ticket for this meeting was to offer an inducement to members to complete their membership as early as possible. As the Congress opened on a Monday, and as in England Sunday is a *dies non*, it was feared that without some inducement to do otherwise members would put off their applications for tickets until the opening day, and in that case it would have been a physical impossibility to issue the Congress tickets with sufficient rapidity, for it was calculated that a clerk could not issue more than 20 tickets in an hour, and the large staff of 23 clerks employed could not have issued more than 460 tickets per hour, even supposing that no further demands had been made upon them. The special ticket for St. James's Hall had the desired effect, and a very large proportion of the Congress tickets were issued before the day of opening.

St. James's Hall has seats for 2,132 persons, and as there were some 3,000 members, lady members, and representatives of the Press, it is evident that many were unable to find accommodation. This was a regrettable circumstance, but was nevertheless unavoidable. Every

endeavour was made to provide persons of distinction with places of honour; but here again complete success was impossible, and in illustration of the difficulties, one may point to the fact that, almost at the last moment, a sudden demand was made to find suitable places for two ambassadors and 41 other persons of distinction who had been specially delegated to attend the Congress by foreign Governments and municipalities.

St. James's Hall, at the opening meeting, was packed as full as it would hold, and although it was not possible to treat all our distinguished guests with as much consideration as one would have wished, one can point to the enthusiasm and good temper which characterised the inaugural meeting as evidence that the inconvenience to which the few were subjected were recognised as inevitable results of the great success of the gathering. No one who was present is likely to forget the scene, when, precisely at 3 o'clock, the National Anthem announced the arrival of the Prince, and the large audience rose and cheered His Royal Highness as he took the presidential chair. The details of this meeting will be found in Volume I. of the Transactions.

The reception room established in the University of London was intended simply as a place for transacting business, for distributing documents of various kinds, and for making arrangements for the numerous entertainments and excursions. It was not intended as a place for lounging and for conversation, and intentionally no arrangements were made to encourage loitering, which would have seriously interfered with locomotion. The entrance hall and corridor formed a *place des pas perdus*, and for those who wished to write, correct proofs, talk with their friends, and smoke, a tent was provided, amply fitted with tables, easy chairs, &c., in the quadrangle of Burlington House, at the very doors of the meeting rooms of six of the Sections. This tent was provided and fitted by the Military Equipment Company, and although it did not present a very picturesque appearance from the outside it was full of comfort inside, and most thoroughly answered its purpose. It may be mentioned that this tent necessitated a great deal of preliminary arrangement. The consent had to be obtained not only of the Board of Works, but also of the societies whose rooms abutted on the quadrangle, and these were obtained only on the condition that the macadam should not be disturbed, and that no poles or pegs should be driven into the ground. It was on this account that a tent of a special pattern had to be selected, and it was not possible to get a tent which fulfilled the obligatory conditions, and which at the same time, presented an ornamental appearance from the outside. The arrangements for this tent were only completed at the close of the week immediately preceding the opening of the Congress, and thus it came about that no notice of it could be inserted in the printed programmes.

A very important matter, and one which entailed a great deal of labour, was the preparation and the keeping up of the list of members who had inscribed their names and addresses in the reception room. At four o'clock each day the names of those who had inscribed their names were printed on a separate list; and directly sufficient copies of this list had been struck off, the names were distributed to their proper alphabetical position in the general list, and on each day of the Congress 2,000 copies of the list, complete up to the previous evening, were

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distributed for the information of members and others. This list appeared each morning without fail, a fact which is greatly to the credit of my assistant, Mr. Whalley, and the printers, Messrs. Boot & Son. These lists were printed on slips (printed on one side only), and the completed lists were made up by fastening the slips together at one angle. This method was adopted as the simplest and quickest under the circumstance.

G. V. P.

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FLOWER, Professor W. H., C.B., LL.D., F.R.S. (Zoological Society).

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FORD, Alderman W. (Corporation of Nottingham).

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FORTESCUE, Earl (Metropolitan Public Gardens Association).

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FOWLER, F. H. (Strand Board of Works).

FOWLER, F., F.S.I. (Sheffield Society of Architects and Surveyors).

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FRANKLAND, Professor Percy F., PH.D., B.SC. (University College, Dundee).

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FYFE, Peter (Sanitary Association of Scotland).

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GALVIN, Barry C. (Cork Corporation).

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GARSON, J. G., M.D. (Anthropological Society).

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GEIKIE, Archibald, LL.D., F.R S. (Geological Survey, United Kingdom).

GIBBON, Septimus, M.D. (Holborn District Board of Works).

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GOOCH, F.L., F.R.C.V.S. (Lincolnshire Veterinary Medical Association).

GOODALL, J. H., M.R.C.V.S. (Lincolnshire Veterinary Medical Association).

GOODWIN, George A. (Society of Engineers).

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GOUGH, H. R. (Society of Architects).

GOULD, A. Pearce, M.B., F.R.C.S., L.R.C.P. (Royal College of Surgeons).

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GRIFFITH, John Charles (Gloucester County Council).

GRIFFITH, Samuel (Ynyscynhaiarn Local Board).

GRIFFITHS, Bailie Azariah (Borough of Falkirk).

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GRIMSHAW, T. W., M.D., F.R.C.P.I. (King's and Queen's College, Dublin).

GUBB, Alfred T., L.R.C.P. (St. Giles' Board of Works).

GUNN, R. Marcus, F.R.C.S. (Ophthalmological Society).
GÜNTHER, Dr. H. (Local Board of Teddington and Hampton Wick).

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HADLEY, Joseph (Sanitary Assurance Association).
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HALL, Joseph (Corporation of Cheltenham).
HALL, W. Carby (Leeds and Yorkshire Architectural Society).
HAMILTON, Rowland (Royal Statistical Society).
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HANCOCK, Washton (North of England Veterinary Medical Association).
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HANKINSON, T. J. (Corporation of Bournemouth).
HARPUR, W., M.Inst.C.E. (Corporation of Cardiff).
HARRIS, Dr. A. W. (Corporation of Southampton).
HARRIS, Sir George D. (Paddington Vestry).
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HARRISON, R. J. (Corporation of Derby).
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HARTLEY, R. N., M.B., B.Sc. (Yorkshire College).
HARTY, Spencer (Institution of Civil Engineers, Ireland).
HARVEY, Dr. (Warwickshire County Council).
HASLAM, A. S., J.P. (Corporation of Derby).
HASTINGS, G. W., M.P. (Worcestershire County Council).
HATFIELD, George Burney (Limehouse Board of Works).
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HAY, Professor Matthew, M.D. (Aberdeen University).
HEATON, C. W. (Charing Cross Hospital).
HEDGES, Frances E. (Corporation of Wallingford).
HENDRIKS, Augustus (Institute of Actuaries).
HENDRIKS, F., F.I.A. (Royal Statistical Society).
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HILL, M. Berkeley, M.B., F.R.C.S. (Royal College of Surgeons).

HILL, Rev. R. J. (Kirkby Moorside Rural Sanitary Authority).
HILLS, Arnold F. (Vegetarian Federal Union).
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JOHNSON, S. G. (Corporation of Nottingham).
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KINGDON, James Abernethy (Grocers' Company).
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KINKEAD, Richard J., B.A., M.D., J.P. (Queen's College, Galway).
KINSEY-MORGAN, A., M.R.C.S., L.S.A. (British Medical Society).
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KNIGHTLEY, Lady (Ladies Sanitary Association).
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KIRTLEY, Councillor (Corporation of Sunderland).

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LEEKINGS, Joseph J. (Corporation of Gloucester).
LENT, J. Watts (Corporation of Colchester).

LEESON, Councillor R. J. (Northumberland County Council).

LEGARD, Sir Charles, Bart. (Beverley County Council).

LEGG, Samuel C., A.S.A. (Association of Public Sanitary Inspectors).

LEIGH, The Lady (Ladies' Sanitary Association).

LISTER, Sir Joseph, Bart., M.D., F.R.C.S., LL.D., F.R.S. (Edinburgh Medical Chirurgical Society).

LITTLEJOHN, Harvey, M.B., B.Sc. (Edinburgh Royal Medical Society, and Corporation of Sheffield).

LITTLEJOHN, Henry Duncan, M.D., F.R.C.S.E. (College of Surgeons, Edinburgh, and Edinburgh Corporation, and Society of Medical Officers of Health for Scotland).

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LOE, J. S., M.R.C.S. (Corporation of Leeds).

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LOTT, Alfred (Bermondsey Vestry).

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MACCORMAC, Sir William, F.R.C.S. (St. Thomas' Hospital).

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MACHELL, Alderman (Corporation of Stalybridge).

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MACKENZIE, Stephen, M.D., F.R.C.P. (London Hospital).

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MACPHERSON, Councillor (Corporation of Stalybridge).

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MANSERGH, James, M.Inst.C.E. (Institution of Civil Engineers).

MARCET, William, M.D., F.R.C.P., F.R.S. (Royal Meteorological Society, and Physiological Society).

MARGERISON, G. (St. Marylebone Vestry).

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MCDONNELL, James (Statistical and Social Inquiry Society of Ireland).

MCDOUGALL, Councillor Alexander, J.P. (Corporation of Manchester).

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MICHELLI, P. (Hospitals Association).

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MOORE, H. P. (Corporation of Andover, Hants).

MOORE, John William, M.D., F.R.C.P.I. (King's and Queen's College, Edinburgh).

MOORE, Surgeon-General Sir Wm., K.S.C.I. (Nominated by the Government of India for the Presidency of Bombay).

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MURRAY, Albert E. (Secretary Royal Institute of Architects of Ireland).

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NASMYTH, T. G., M.D., D.Sc., D.P.H. (Sanitary Association of Scotland).

NEWBATT, B. (Institute of Actuaries).

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RICHARDSON, Councillor S., J.P. (Corporation of Sunderland).

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RITCHIE, James, M.B. (Edinburgh Royal Medical Society).

RITCHIE, R. Peel, M.D. (Royal College of Physicians, Edinburgh).

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ROBINSON, James (County Surveyors' Society).

ROBINSON, Professor H., M.Inst.C.E. (Sanitary Institute).

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SANDERSON, Professor J. Burdon, M.D., F.R.S. (Oxford University, and Physiological Society).

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SHARPLEY, Thomas (Lambeth Vestry).

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SMITH, John (Lambeth Vestry).

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SMITH, Walter, M.D. (Poor Law Medical Officers' Association).

SMITH, W. H. Seth (Society of Architects).

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SPINK, H. N. B. (Vestry of St. Margaret and St. John, Westminster).

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STYAN, Thomas George, M.D. (Ramsgate Corporation).

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SWEETING, R. D. R., M.R.C.S., D.P.H. (Epidemiological Society).

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TATHAM, J., M.A., M.D. (Corporation of Manchester, and Manchester Literary and Philosophical Society).

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THOMSON, Professor J. M. (King's College).

THOMSON, Dr. Roberts (Hampshire County Council).

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THORP, W. H., F.R.I.B.A. (Leeds and Yorkshire Architectural Society).

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TISDALL, E. C. (St. Mary Abbott's Vestry, Kensington).

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TOPLEY, William, F.R.S. (Geological Survey of the United Kingdom).

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TUKE, D. Hack, F.R.C.P. (Medico-Psycological Association).
TULLOCH, Major Hector, R.E. (Local Government Board).
TURNER, A. M. S., M.R.C.L., L.S.A. (Corporation of Gloucester).
TURNER, Ernest, F.R.I.B.A. (Royal Society of British Architects).
TUPPER, The Honourable Sir Charles, Bart., G.C.M.G., C.B., LL.D. (Imperial Institute).
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WEST, Samuel, M.A., M.D. (Pathological Society).
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WHITAKER, Henry, M.D. (Belfast Corporation).
WHITAKER, William, B.A., F.R.S., F.G.S. (Geological Society).
WHITE, Sinclair (Sheffield Medical and Chirurgical Society).
WHITE, W. H., M.Inst.C.E. (Oxford Corporation).
WHITLA, William, M.D. (Pharmaceutical Society of Ireland).
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WILLIAMS, Mrs. Rowland (Liverpool Training School of Cookery).
WILLIAMS, Professor W. Carleton, B.Sc. (Firth College).
WILLIAMS, T. Howell (London County Council).

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WOODGATE, Councillor, J.P. (Corporation of Rochester).
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YOUNG, J., M.D. (Sheffield School of Medicine).
YOUNG, Robert, C.E. (Belfast Natural History and Philosophical Society).
YOUNG, Robert M. (Belfast Natural History and Philosophical Society).

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CASH, Professor Theodore, M.D., F.R.S.
HAY, Professor Matthew, M.D. (Medical Officer of Health).

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COLLINS, E. H., F.S.A.A.

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THOROLD, Sir John H., Bart.

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THOROWGOOD, J. C., M.D., F.R.C.P.

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SMITH, Percival Gordon, F.R.I.B.A.
TURNER, Ernest, F.R.I.B A.

Architects, Society of:
GOUGH, H. R., F.R.I.B.A.
SMITH, W. H. Seth, F.S.I.

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RAWLINSON, Sir Robt., K.C.B., M.Inst.C.E.

Association for the Oral Instruction of the Deaf and Dumb (*see* Deaf and Dumb).

Association of Municipal and Sanitary Engineers (*see* Engineers).

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EYRE, Dr. J. J.
BAKER, C. E.

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GRAHAM, Alderman, M.D.
SCOTT, Conway, C.E. (Executive Sanitary Officer).
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YOUNG, Robert M. (Hon. Sec.).

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CUMING, Professor Jas., M.D., F.K.Q.C.P.

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LOTT, Alfred.

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SCHOLFIELD, R. S.

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PARKINSON, C. H. W., M.R.C.S., D.P.H., L.S.A.

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British Dental Association (*see* Dental).

British Gynæological Society:
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FENWICK, Bedford, M.D.

British Medical Association:
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Catholic University of Ireland, Medical Faculty of the (*see* Ireland).

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HALL, Joseph, A.M.Inst.C.E., F.R.Met.Soc. (Borough Surveyor).
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DEWAR, Professor Jas., F.R.S.

Chemical Society:
CROOKES, Wm., F.R.S.
ROSCOE, Sir H. E., M.P., LL.D., D.C.L., F.R.S.

Chemistry, Institute of:
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ODLING, W., M.A., M.B., F.R.C.P., F.R.S., F.C.S.

Civil Engineers, Institute of (*see* Engineers).

Clinical Society of London:
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FINLAY, David White, M.D.

Clothworkers' Company:
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RAE, John, M.D., LL.D., F.R.S.

Commissioners in Lunacy (*see* Lunacy).

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GALVIN, Barry C. (Executive Sanitary Officer).
HIRGAN, Daniel (Mayor).

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BULL, Stanhope (President).
HESLOP, T. H. B. (Hon. Sec.).
ROBINSON, James (Vice-President).

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HODGSON, Councillor William.

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MORLAND, Charles Coleby, J.P.

Deaf and Dumb, Association for the Oral Instruction of the:
PRAAGH, William Van.

Dental Association, British:
PATERSON, W. B., F.R.C.S., L.D.S.
SMITH-TURNER, James, M.R.C.S., L.D.S.

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Watts, Richard Ireland.

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Franklands, Professor Percy F., Ph.D., B.Sc., F.I.C.

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Philipson, Professor G. H., M.A., M.D., D.C.L., F.R.C.P.

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[illegible], M.D.
Macfarlane, A. W., M.D., F.R.C.P.
[illegible], M.D.
[illegible], M.D.
[illegible], M.D., F.R.C.P.

Edinburgh, University
[illegible], M.A.
[illegible], F.R.S.
[illegible], M.D.

Edinburgh, [illegible]
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[illegible], F.R.S.
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BOYD, R. Nelson, M.Inst.C.E., F.R.G.S., F.G.S.

Epidemiological Society of London:
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SWEETING, R. D., M.R.C.S, D.P.H.

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WARE, Chas. Edwin, M.Inst.C.E., F.I.A.

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BRYDON, J. M.
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Edinburgh, Obstetrical Society of:
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Firth College, Sheffield (*see* Sheffield).

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Geological Society of London:
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WHITAKER, William, B.A., F.R.S., F.G.S.

Geological Survey of the United Kingdom:
GEIKIE, Sir Archibald, LL.D., F.R.S.
TOPLEY, William, F.R.S., Geological Survey.

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COOK, Surgeon-General Henry, F.R.C.P. (University of Bombay).

CARTER, Deputy-Surgeon Vandyke (University of Bombay).

CLARKE, O. D., A.M.I.C.E. (Municipality of Rangoon).

CAMPBELL, Sir G. W. R., K.C.M.G. (Municipal Council of Colombo).

COOPER, Lieut.-Colonel Harry (National Association for Supplying Female Medical Aid to the Women of India).

DE RENZY, Surgeon-General A. C. C., C.B. (Indian Tea Districts Association).

FARQUHAR, Deputy-Surgeon-General W., M.D. (Government of Madras).

FERNANDO, Dr. Solomon (Government of Ceylon, and Ceylon Medical College).

FRANCIS, Surgeon-General C. R., M.B. (National Indian Association), late Principal of the Medical College, Calcutta.

GRIFFITH, Brigade-Surgeon G. (Government of North-West Provinces and Oudh).

GIMLETTE, Surgeon G. H. D., M.D. (State of Rewa).

GREGORY, The Right Hon. Sir W. H., K.C.M.G. (Municipal Council of Colombo).

GRENIER, The Hon. Sir S. (Municipal Council of Colombo).

HARRISON, Sir Henry (University of Calcutta).

HENDLEY, Surgeon-Major T. H., C.I.E. (Rajpootana).

HUGHES, A. (North-West Provinces and Oudh).

HUNTER, Sir Wm. W., K.C.S.I. (Mahomedan Literary Society of Calcutta).

HARVEY, Brigade-Surgeon Robert, M.D. (Government of India).

JONES, S. G. (Municipality of Rangoon).

KING, Brigade-Surgeon H. (University of Madras).

KNIGHT, J. B., C.I.E. (Calcutta Trades Association).

LANCASTER, Surgeon-Major John, M.B. (Municipal Council of Vellore District Local Fund Board of North Arcot).

LEDGARD, H. (Upper India Chamber of Commerce).

LEITNER, Dr. (East India Association, and Mahomedan Literary Society, Calcutta).

LYON, Brigade-Surgeon J. B., M.R.C.S. (University of Bombay).

MCCAW, W. J. M. (Bengal Chamber of Commerce).

MEADE, General Sir Richard, K.C.S.I., C.I.E. (East India Association).

MOORE, Surgeon-General Sir W. J., K.C.I.E. (Government of Bombay).

MACKWOOD, F. M. (Ceylon Chamber of Commerce).

MITCHELL, W. W. (Ceylon Chamber of Commerce).

MCGANN, Brigade-Surgeon T. J. (State of Mysore).

MATTHEWS, H. M., M.I.C.E. (Municipal Corporation of Rangoon).

OLLIVANT, E. C. K., Bo.C.S., C.I.E. (Municipal Corporation of Bombay).

OSMOND, W. M. (Municipal Corporation of Calcutta).

PAYNE, Surgeon-General A. J. (Government of Bengal).

RAY, P. K., D.Sc. (University of Calcutta).

REDDIE, W. G. (Rangoon Chamber of Commerce).

RENTON, J. H. (Ceylon Chamber of Commerce).

SIMPSON, W. J., M.D. (Municipal Corporation of Calcutta).

SINCLAIR, Surgeon-Major D., M.B. (Province of Burma).

STRACHAN, James, M.Inst.C.E. (Municipality of Karachi).

STREET, Surgeon-Major A. W. F. (Government of Bombay).

TAIT, P. M. (East India Association).

THORNTON, T. H., C.S.I., D.C.L. (Government of the Punjab).

THOMPSON, J. (Municipality of Rangoon).

THORNHILL, Hayman, M.D. (Government of Ceylon).

WILSON, Sir Alexander (Bengal Chamber of Commerce).

WADIA, Hon. N. N., C.I.E. (Bombay Millowners' Association).

WALKER, Deputy-Surgeon-General W. (North-West Provinces and Oudh).

WEDDERBURN, Sir Wm., Bart. (Poona Sarvajanik Sabha).

ALPHABETICAL LIST OF INDIAN AND CEYLON GOVERNMENTS, CORPORATIONS, SOCIETIES, ETC., WITH NAMES OF DELEGATES.

Bengal, Government of:
CUNNINGHAM, Surgeon-Major D. D., M.B.
PAYNE, Surgeon-General A. J.

Bengal Chamber of Commerce:
MCCAW, W. J. M.
WILSON, Sir Alexander.

Bhavnagar, The Maharaja of:
BHOWNAGGREE, Mancherjee M.

Bombay, Government of:
MOORE, Surgeon-General Sir W. J., K.C.I.E.
STREET, Surgeon-Major A. W. F.

Bombay Chamber of Commerce:
ADAM, Sir Frank Forbes, C.I.E.

Bombay Millowners' Association:
ADAM, Sir Frank Forbes, C.I.E.
BAHADHURJI, Dr. K. N.
WADIA, Hon. N. N., C.I.E.

Bombay Medical Union:
BAHADHURJI, Dr. K. N.

Bombay, Municipal Corporation of:
OLLIVANT, E. C. K., Bo.C.S., C.I.E.

Bombay, University of:
COOK, Surgeon-General Henry, F.R.C.P.
LYON, Brigade-Surgeon J. B., M.R.C.S.
CARTER, Deputy-Surgeon Vandyke, M.D.

Burma, Government of:
SINCLAIR, Surgeon-Major D., M.B.

Calcutta, Municipal Corporation of:
COTTON, H. J. S., B.C.S.
OSMOND, W. M.
SIMPSON, W. J., M.D.

Calcutta Trades' Association:
BROOKES, T. W.
CAITHNESS, J. C.
KNIGHT, J. B., C.I.E.

Calcutta, University of:
CROMBIE, Dr. A.
HARRISON, Sir Henry
RAY, P. K., D.Sc.

Calcutta, Mahomedan Literary Society:
LEITNER, Dr.
HUNTER, Sir Wm. W., K.C.S.I.

Ceylon, Government of:
FERNANDO, Dr. Solomon.
THORNHILL, Hayman, M.D.

Ceylon, Chamber of Commerce of:
BOIS, Fred.
RENTON, J. H.
MACKWOOD, F. M.
BOSANQUET, R. A.
MITCHELL, W. W.

Ceylon Medical College:
FERNANDO, Dr. Solomon.

Colombo, Municipal Council of:
GREGORY, The Right Hon. Sir W. H., K.C.M.
CAMPBELL, Sir G. W. R., K.C.M.G.
GRENIER, The Hon. Sir S.

Indian Tea Districts' Association:
DE RANZY, Surgeon-General A. C. C., C.B.

India, Government of:
HARVEY, Brigade-Surgeon Robert, M.D.

Karachi Chamber of Commerce:
BEAUMONT, T. L. F.

Karachi, Municipal Corporation of:
STRACHAN, James, M.Inst.C.E.

Madras, Government of:
BIDIE, Surgeon-General G., M.D., C.I.E.
FARQUHAR, Deputy Surgeon-General W., M.D.

Madras, University of:
BIDIE, Surgeon-General G., M.D., C.I.E.
CORNISH, Surgeon-General W. R., C.I.E.
KING, Brigade-Surgeon H.

Mysore, State of:
MCGANN, Brigade-Surgeon T. J., F.R.C.S. Ed.

North Arcot, District Local Fund Board of:
LANCASTER, Surgeon-Major John, M.B.

North-West Provinces and Oudh, Government of:
GRIFFITH, Brigade-Surgeon G.
HUGHES, Supervising Engineer A.
WALKER, Deputy Surgeon-General W., LL.D.

Poona Sarvajanik Sabha:
WEDDERBURN, Sir Wm., Bart.

Punjab, Government of:
BROWNE, Surgeon-Major S. H.
THORNTON, T. H., C.S.I.

Punjab, University:
BROWNE, Surgeon-Major S. H.

Rajpootana:
HENDLEY, Surgeon-Major T. H., C.S.I.

Rangoon, Chamber of Commerce of:
REDDIE, W. G.

Rewa, State of:
GIMLETTE, Surgeon G. H. D., M.D.

Rangoon, Municipal Corporation of:
CLARKE, O. D., A.M.I.C.E.
MATTHEWS, H. M., M.I.C.E.
THOMPSON, J.
JONES, S. G.

Upper India Chamber of Commerce:
LEDGARD, H.

Vellore, Municipal Council of:
LANCASTER, Surgeon-Major John, M.B.

East India Association:

LEITNER, Dr.

MEADE, General Sir Richard, K.C.S.I., C.I.E.

TAIT, P. M.

National Indian Association:

FRANCIS, Surgeon-General C. R., M.D

National Association for Supplying Female Medical Aid to the Women of India:

COOPER, Lieutenant-Colonel Harry.

ALPHABETICAL LIST OF COLONIAL DELEGATES.

BAYARD, W., M.D. (Provincial Board of Health, New Brunswick, Canada).

BELL, Sir F. D., K.C.M.G., C.B. (Government of New Zealand).

BLACKETT, J., C.E. (Government of New Zealand).

BORTHWICK, Dr. Thomas (Government of South Australia).

BOWEN, Aubrey, M.R.C.S., L.K.D.Q.C.R.J. (Government of Victoria).

BRADDON, Sir E. N. C. (Government of Tasmania).

BROWN, William (University of New Zealand).

BRYCE, Dr. (Provincial Board of Health, Ontario).

CRAIK, Robert, M.D. (Provincial Board of Health, Quebec).

CURRIE, J. Z., M.D. (Provincial Board of Health, New Brunswick, Canada).

CASSIDY, Dr. (Provincial Board of Health, Ontario).

CHADWICK, Osbert, C.E., C.M.G. (Government of Hong Kong).

COVERNTON, Dr. (Provincial Board of Health, Ontario).

EDE, Nathaniel (Government of Hong Kong).

FARRELL, Edward, M.D. (Government of Nova Scotia).

FRANKISH, J. D., M.D. (New Zealand Medical Society, Canterbury Branch).

FRANKLAND, F. W., M.I.A. (Government of New Zealand; University of New Zealand and New Zealand Institute).

GLANVILLE, Dr., L.R.C.P., M.R.C.S. (Gunnedale Local Council, New South Wales).

GARDNER, Dr. (University of Adelaide).

GRIEVE, Surgeon-Major Robert (Government of British Guiana).

GZOWSKI, Colonel Sir C. S., A.D.C., K.C.M.G. (Canadian Society of Civil Engineers).

HARDY, James Arthur, M.R.C.S. (Government of Tasmania).

LE FEVRE, The Hon. George, M.D., M.L.C. (Government of Victoria).

MACDOUGALL, Alan (Canadian Society of Civil Engineers).
MAULT, A. (Government of Tasmania).
MAUNSELL, H. W., M.D. (University of Otago, New Zealand).

NEDWILL, Dr. Courtney (University of New Zealand).

ROWELL, Thomas Irvine, C.M.G., M.D. (Government of Straits Settlements).

ST. GEORGE, P. W. (Canadian Society of Civil Engineers).

THOMPSON, John Ashburton, M.D. (Government of New South Wales).

ALPHABETICAL LIST OF COLONIAL GOVERNMENTS, CORPORATIONS, SOCIETIES, ETC., WITH NAMES OF DELEGATES.

Adelaide, University of:
GARDENER, Dr.

British Guiana, Government of:
GRIEVE, Surgeon-Major Robert.

Canadian Society of Civil Engineers:
GZOWSKI, Colonel Sir C. S., A.D.C., K.C.M.G.
ST. GEORGE, P. W.
MACDOUGALL, Alan.

Gunnedale (New South Wales) Local Council:
GLANVILLE, Dr., M.R.C.S.

Hong Kong, Government of:
CHADWICK, Osbert, C.E., C.M.G.
EDE, Nathaniel.

New Brunswick, Canada, Provincial Board of Health of:
BAYARD, W., M.D. Ed.
CURRIE, J. Z., M.D.

New South Wales, Government of:
THOMPSON, John Ashburton, M.D.

New Zealand, Government of:
BELL, Sir F. D., K.C.M.G., C.B.
BLACKETT, J., C.E.
FRANKLAND, F. W., M.I.A.

New Zealand Medical Society, Canterbury Branch:
FRANKISH, J. D., M.D.

New Zealand, University of:
BROWN, William.
FRANKLAND, F. W., M.I.A.
NEDWILL, Dr. Courtney.

New Zealand Institute:
FRANKLAND, F. W., M.I.A.

Nova Scotia, Government of:
FARRELL, Edward, M.D.

Ontario Provincial Board of Health:
BRYCE, Dr.
CASSIDY, Dr. (President).
COVERNTON, Dr.

Otago University (New Zealand):
MAUNSELL, H. W., M.D.

Quebec, Provincial Board of Health:
CRAIK, Robert, M.D.

South Australia, Government of:
BORTHWICK, Dr. Thomas.

Straits Settlements, Government of:
ROWELL, T. I., C.M.G., M.D.

Tasmania, Government of:
BRADDON, Sir E. N. C.
HARDY, James Arthur, M.R.C.S.
MAULT, A.

Victoria, Government of:
BOWEN, Aubrey, M.R.C.S.
LE FEVRE, the Hon. George, M.D., M.I.C.

Victoria, Medical Society of:
BOWEN, Aubrey, M.R.C.S.

FOREIGN COMMITTEES

AND

DELEGATES.

PERMANENT INTERNATIONAL COMMITTEE.

HYGIENE.

Brouardel, Dr. P. (President)	France.
Billings, Dr. J. S.	United States.
Corfield, Professor W. H.	England.
Duncan, Dr.	Russia.
Greene, Pacha, Dr. H. R.	Egypt.
Gotoh, Dr. Shimpei	Japan.
Von Gruber, Professor F.	Austria-Hungary.
Mosso, Dr. A.	Italy.
Murphy, Mr. Shirley F.	England.
Roth, Dr. W.	Germany.

DEMOGRAPHY.

Bertillon, Dr. J.	France.
Bodio, Professor L.	Italy.
Böckh, Dr. R.	Germany.
Galton, Sir Douglas	England.
Von Inama-Sternegg, Dr. Carl T.	Austria-Hungary.
Jahnson, Professor Jules	Russia.
Ogle, Dr. W.	England.

ADDITIONAL MEMBERS FOR THE SEVENTH CONGRESS.

HYGIENE.

Baümler, Professor C.	Freiburg (Baden).
Corradi, Professor A.	Pavia.
Félix, Professor I.	Bucharest.
Fodor, Professor J.	Budapest.
Van Overbeek de Meÿer, Professor G.	Utrecht.
Pacchiotti, Professor	Turin.
Pistor, Professor	Berlin.
Putzeys, Professor F.	Liége.
Ruysch, Dr. W. P.	The Hague.

da Silva Amado, Dr. J. J.	Lisbon.
Stokvis, Dr. B. J.	Amsterdam.
Trélat, Professor Émile	Paris.
Vallin, Professor	Lyons.
Vilanova y Piera, Professor Don Juan	Madrid.

DEMOGRAPHY.

Chervin, Dr. A.	Paris.
Janssens, Dr. Eugène	Brussels.
Keleti, Dr. Carl	Budapest.
Kiäer, Professor A. N.	Christiania
Körösi, M. Josef	Budapest.
Von Mayr, Dr. Georg	Munich.
Milliet, M. W. E.	Berne.
Raseri, Dr. Enrico	Rome.
Tobieu, Dr. Alexander	Riga.

LIST OF FOREIGN COMMITTEES.

FOR AUSTRIA.

PRESIDENT.

HOFMANN, Dr. Eduard Ritter von, k. k. Hofrath und Professor der gerichtlichen Medicin, Präsident des Obersten Sanitätsrathes.

VICE PRESIDENT.

VOGL, Dr. August k. k. Hofrath und Professor der Pharmakologie, Vicepräsident des Obersten Sanitätsrathes.

MEMBERS.

BÖHM, Dr. Carl, k. k. Hofrath und Director des allgemeinen Krankenhauses in Wien.

GRUBER, Franz Ritter von, k. k. Hofrath und Professor der Architektur, Secretär des sechsten internat. hygienischen Congresses, Wien.

GRUBER, Dr. Max, k. k. Professor der Hygiene an der medicinischen Facultät in Wien.

KUSÝ, Dr. Emanuel, k. k. Ministerialrath und Sanitätsreferent.

LUDWIG, Dr. Ernst, k. k. Hofrath und Professor der angewandten Chemie, Präsident des VI^ten^ Internationalen hygienischen Congresses.

WEICHSELBAUM, Dr. Anton, k. k. a. o. Professor der pathologischen Anatomie und Professor des Krankenhauses "Rudolfstiftung."

FOR BELGIUM.

HONORARY PRESIDENT.

BÉCO, M. E., Secrétaire Général du Ministère de l'Industrie, de l'Agriculture, et du Service de Santé.

PRESIDENT.

KUBORN, Professeur Hyacinthe, Membre de l'Académie Royale de Médecine, Président-Général de la Société Royale de Médecine Publique de Belgique.

SECRETARY.

PUTZEYS, Dr. Félix, Professeur d'Hygiène à l'Université de Lié 15, Boulevard Frère-Orban, Liége.

MEMBERS.

Barella, Dr., Membre de l'Académie Royale de Médecine.

Belval, Dr., Membre de l'Académie Royale de Médecine, Secrétaire de la Commission Médicale du Brabant, Rédacteur en chef du "Mouvement Hygiénique" à Bruxelles.

Van den Corput, Dr., Membre de l'Académie Royale de Médecine, Président de la Commission Médicale du Brabant, à Bruxelles.

Desguin, Dr., Membre de l'Académie Royale de Médecine, à Anvers.

Devaux, Dr., Inspecteur Général du Service de Santé Civil et de l'Hygiène, Membre du Conseil Supérieur d'Hygiène, à Bruxelles.

Dewalque, Dr. G., Professeur à l'Université de Liége, Membre de l'Académie Royale de Belgique.

Van Ermengem, Dr., Professeur d'Hygiène et de Bactériologie à l'Université de Gand.

Firket, Dr. Ch., Professeur de Bactériologie à l'Université de Liége.

Gallez, Dr., Président de l'Académie Royale de Médecine, à Châtelet.

Hubert, Dr. Eug., Professeur à l'Université de Louvain.

Janssens, Dr. E., Inspecteur en chef du Service d'Hygiène de la Ville de Bruxelles, Membre du Conseil Supérieur d'Hygiène Publique.

Putzeys, E., Ingénieur de la Ville de Bruxelles.

Schrevens, Dr., Professeur à l'École Normale de Tournai.

De Smeth, Dr., Professeur à l'Université de Bruxelles.

Titeca, Dr., Médecin de Régiment de l'Armée Belge, à Bruxelles.

Vleminckx, Dr., Membre de l'Académie Royale de Médicine, et du Conseil Supérieur d'Hygiène Publique à Bruxelles.

De Windt, Dr., à Alost.

FOR DENMARK.

PRESIDENT.

Lehmann, J., M.D., Doyen de la Commission Royale de Santé.

SECRETARY.

Mygind, Holger, M.D., 49, Nansensgade, Copenhague, K.

MEMBERS.

Ambt, Chas., Ingénieur en chef de la ville de Copenhague.

Bang, B., Professeur à l'École Royale Vétérinaire et d'Agriculture.

Carlsen, J., M.D.

Engelsted, S., M.D., Membre de la Commission Royale de Santé.

Fenger, L. P., Professeur, Architecte en chef de la Ville de Copenhague.

GREDSTED, H. V. S., Inspecteur des Hôpitaux Municipaux de Copenhague.

ULRIK, A., Officier Supérieur de Santé de la Ville de Copenhague.

FOR FRANCE.

HONORARY PRESIDENT.

PASTEUR, M., Membre de l'Institut (Académie Française et Académie des Sciences).

PRESIDENT.

BROUARDEL, M. le Docteur, Président du Comité Consultatif d'Hygiène Publique de France, Doyen de la Faculté de Médecine de Paris.

VICE PRESIDENTS.

MONOD, M. H., Directeur de l'Assistance et de l'Hygiène Publiques au Ministère de l'Intérieur.

BERGERON, M. le Docteur, Secrétaire Perpétuel de l'Académie de Médecine, Vice-Président du Comité Consultatif d'Hygiène Publique de France.

PROUST, M. le Docteur, Inspecteur Général des Services Sanitaires, Professeur d'Hygiène à la Faculté de Médecine de Paris.

CHAUVEAU, M., Membre de l'Institut, Inspecteur Général des Services Vétérinaires, Président de la Société de Médecine Publique et d'Hygiène Professionnelle.

SECRETARIES.

NAPIAS, M. le Docteur, Inspecteur Général des Services Administratifs au Ministère de l'Interieur, Secrétaire Général de la Société de Médecine Publique et d'Hygiène Professionnelle.

MARTIN, M. le Docteur A. J., Secrétaire du Conseil Supérieur de l'Assistance Publique, Secrétaire Général Adjoint de la Société de Médecine Publique et d'Hygiène Professionnelle, Rue Gay Lussac, 3, Paris.

DE VALBREUZE, M., Chef du Bureau de l'Hygiène Publique au Ministère de l'Intérieur.

ASSISTANT SECRETARY.

VINTRAS, M. le Docteur Louis, 19a, Hanover Square, London, W.

MEMBERS.

ARNOULD, M. le Docteur, Professeur d'Hygiène à la Faculté de Médecine de Lille.

BALLET, M. le Docteur G., Agrégé à la Faculté de Médecine de Paris, Médecin des Hôpitaux.

BECHMANN, M., Ingénieur en Chef des Ponts et Chaussées, Directeur du Service de l'Assainissement de la Ville de Paris.

Bérenger-Féraud, M. le Docteur, Président du Conseil Supérieur de Santé de la Marine.

Bertillon, M. le Docteur, Chef des Travaux de la Statistique Municipale de la Ville de Paris.

Bouffet, M., Conseiller d'État, Directeur de l'Administration Départementale et Communale au Ministère de l'Intérieur.

Bourneville, M. le Docteur, Médecin des Hôpitaux, Directeur du *Progrès Médical.*

Chautemps, M. le Docteur, Député.

Chevallereau, M. le Docteur, Secrétaire de la Rédaction de la *France Médicale.*

Chevandier, M. le Docteur (de la Drôme), Député, Président de la Société Française d'Hygiène.

Colin, M. le Docteur Léon, Membre de l'Académie de Médecine, Médecin Inspecteur Général de l'Armée.

Cornil, M. le Docteur, Sénateur, Professeur à la Faculté de Médecine, Directeur du *Journal des Connaissances Médicales.*

Drouineau, M. le Docteur, Inspecteur Général des Services Administratifs au Ministère de l'Intérieur.

Gibert, M. le Docteur, Médecin des Epidémies de l'Arrondissement du Havre.

Girard, M. Ch., Directeur du Laboratoire Municipal de la Ville de Paris.

Grancher, M. le Docteur, Professeur à la Faculté de Médecine, Membre du Comité Consultatif d'Hygiène Publique.

Henrot, M. le Docteur, Maire de Reims, Professeur á l'École de Médecine.

Herscher, M. Ch., Vice-Président de la Société des Ingénieurs Civils.

Laborde, M. le Docteur, Directeur des Travaux Physiologiques à la Faculté de Médecine de Paris, Directeur de la *Tribune Médicale.*

Lacassagne, M. le Docteur, Professeur à la Faculté de Médecine de Lyon.

Layet, M. le Docteur, Professeur d'Hygiène à la Faculté de Médecine de Bordeaux.

Lereboullet, M. le Docteur, Directeur de la *Gazette Hebdomadaire de Médecine.*

Levraud, M. le Docteur, Président du Conseil Municipal de Paris.

Du Mesnil, M. le Docteur, Médecin de l'Asile National de Vincennes, Secrétaire du Comité Consultatif d'Hygiène Publique de France.

Netter, M. le Docteur, Agrégé à la Faculté de Médecine de Paris.

Nocard, M., Professeur à l'École Vétérinaire d'Alfort, Membre de l'Académie de Médecine.

Pamard, M. le Docteur, Chirurgien en Chef de l'Hôpital d'Avignon.

Peter, M. le Docteur, Professeur à la Faculté de Médecine de Paris, Membre de l'Académie de Médecine.

PEYRON, M. le Docteur, Directeur de l'Administration Générale de l'Assistance Publique de la Ville de Paris.

POINCARÉ, M. le Docteur Léon, Professeur d'Hygiène à la Faculté de Médecine de Nancy.

POUCHET, M. le Docteur Gabriel, Agrégé à la Faculté de Médecine de Paris, Membre du Comité Consultatif d'Hygiène Publique de France.

DE RANSE, M., Directeur de la *Gazette Médicale de Paris.*

ROCHARD, M. le Docteur, Ancien Inspecteur Général des Services de Santé de la Marine, Membre de l'Académie de Médecine.

SIEGFRIED, M., Député, Membre du Comité Consultatif d'Hygiène Publique de France.

STRAUSS, M., Membre du Conseil Municipal de Paris.

THOINOT, M. le Docteur, Ancien Interne des Hôpitaux de Paris, Auditeur au Comité Consultatif d'Hygiène Publique de France.

TRÉLAT, M. Émile, Professeur au Conservatoire National des Arts et Métiers, Directeur de l'École d'Architecture.

VAILLARD, M. le Docteur, Agrégé à l'École de Médecine et de Pharmacie Militaires.

VALLIN, M. le Docteur, Directeur de l'École du Service de Santé Militaire de Lyon, Membre de l'Académie de Médecine.

VINTRAS, M. le Docteur, Médecin en Chef de l'Hôpital Français de Londres.

FOR GERMANY.

HONORARY PRESIDENTS.

HIRSCH, Prof. Dr. A. (Geh. Med.-Rath), Berlin.

KOCH, Prof. Dr. R. (Geh. Med.-Rath), Berlin.

VON PETTENKOFER, Prof. Dr. M. (Geh. Ober-Med. Rath), Munich.

PRESIDENT.

ROTH, Prof. Dr. W. (Generalarzt I. Cl.), Dresden.

MEMBERS.

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EMMERICH, Prof. Dr. R., Munich.

VON ESMARCH, Dr., Berlin.

FINKELNBURG, Prof. Dr. (Geh. Reg.-Rath), Bonn.

FISCHER, Prof. Dr. Bernhard, Kiel.

FLÜGGE, Prof. Dr., Breslau.

FRÄNKEL, Dr. Carl, Königsberg.

GRATH, Dr. (Geh. Sanitätsrath), Elberfeld.

GROSSHEIM, Dr. (Generalarzt), Berlin.

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LAURENT, Dr. Armand, Président d'honneur de la Société normande d'Hygiène pratique (that Society), 7, Rue Jeanne d'Arc, Rouen.

LAWRENCE, W. H., Professeur à l'École Dentaire de France (Société Odontologique de France), 15, Rue de Normandie, Asnières (Seine).

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LEDÉ, M., (Société de Médecine publique et d'Hygiène professionnelle de Paris).

LEDUC, Dr. S., Professeur à l'École de Médecine de Nantes (Department of the Loire Inférieure, France) 5, Quai Fosse, Nantes.

LEGÁNYI, Dr. Gyula, Professor in the Commercial Academy (Medical and Pharmaceutical Association of Debreczin).

LEHMANN, Dr. Bernhard, Professor in the University of Würzburg, and President of the Hygienic Institute of that city (Government of Bavaria).

LEHMANN, Dr. J., M.D., Dean of the Sanitary Council, and Knight of the Order of the Dannebrog (Government of Denmark), Copenhagen.

LEVRAUD, Dr. L., President du Conseil Municipal de Paris, Membre du Conseil d'Hygiène de la Seine (City of Paris).

LIGOU, Hon. R. F. (State of Alabama).

LINROTH, Dr. Klas, Chief City Physician of Stockholm (Government of Sweden and Norway, and City of Stockholm).

LOGIE, Dr. V., Médecin de Régiment de IIème Classe, 23, Rue Terre-Neuve, Bruges (Belgian Ministry of War).

LONGUET, M., Médecin Major de Ière Classe, attaché à la Section Technique du Service de Santé au Ministère de la Guerre (French Ministry of War), 116, Rue St. Dominique, Paris.

LÜBBERT, Dr. (War Department, Saxony), k. s. Stabsarzt, Königl. Garnison Lazareth, Dresden.

LUDWIG, Prof. Dr. Ernst, Hofrath (Austrian Ministry of Finance, and University of Vienna).

LYON, Mlle. Rose (Union Internationale des Sciences et des Arts), 28, Rue St. Lazare, Paris.

MACKNER, Professor Dr. Em. (Bohemian University of Prague).

MCCLELLAND, Dr. James H. (State Board of Health of Pennsylvania) Pittsburgh, Pennsylvania.

MANGENOT, Dr. (Ministry of Public Instruction, France).

MARKUSOVZSKY, Dr. Ludwig, Ministerialrath (Hungarian Government), Budapest.

MARTHA, M. (Société de Médecine publique et d'Hygiène professionnelle de Paris).

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MASSON, M., Inspecteur du Service de l'Assainissement (City of Paris).

MASTHOFF, Capt. A. J. B., Médecin Militaire de Ière Classe (Ministry of the Colonies of the Netherlands), The Hague.

MENSBURGER, Dr. E., Sanitätsreferent, k. k. Regierungsrath (Provincial Council of Health for Carinthia), Klagenfurt.

MERUNOWICZ, Dr. Joseph, Statthaltereirath, k. k. Landes Sanitätsreferent (Provincial Council of Health for Galicia), Lemberg.

MEYER, F. F., Copenhagen City Department of Streets and Sewers (Technical Association of Copenhagen).

DE MEÿER, Colonel Dr. W. J., Médecin Militaire de Ière Classe (Government of the Netherlands).

DE MEÿER, Dr. G. VAN OVERBEEK, Professeur d'Hygiène à l'Université de l'État à Utrecht (Government of the Netherlands).

MICHEL, Dr. Edouard (City of Belgrade).

MIGERKA, Dr. Fr., Ministerialrath (Austrian Ministry of Commerce), Vienna.

MILLIET, Dr. Edm. W., Directeur de l'administration fédérale des alcools (Swiss Federal Council), Berne.

MIRZA MOHAMMED ALI KHAN, His Excellency General, Envoy of H.I.M. the Shah at the Court of St. James.

MONOD, M., Directeur de l'Assistance et de l'Hygiène publiques au Ministère de l'Intérieur (Government of France).

MONTIZAMBERT, Dr. F., President of the American Public Health Association, Medical Superintendent of the Canadian Quarantine Service, Quebec (American Public Health Association).

MOSKOVITS, Dr. Jakob, Chief Physician of Kaschau (City of Kaschau).

MOSSO, Prof. Dr. Angelo (Italian Government, and Royal University of Turin), Turin.

MÜLLER, Dr. Koloman, Director of the Rochus Hospital (Communal Authorities of Budapest).

MUNK, Dr., Physician to the Ironworks (Ironworks of Wilkowitz, Moravia).

MUÑOZ SANCHEZ, Dr. Francisco (Government of Mexico).

MURSET, Captain Dr., Adjoint au Médecin en chef de l'Armée (Switzerland, Military Department).

NAIM, Colonel, Bey (Ottoman Government), Constantinople.

NAPIAS, Dr., Inspecteur Général des Services Administratifs au Ministère de l'Intérieur, Secrétaire Général de la Société de Médecine publique et d'Hygiène professionnelle (Government of France, and Société de Médecine Publique, &c.) 68, Rue de Rocher, Paris.

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VON NOVELLY, Victor, Engineer (Technical Association for Lower Austria, and Austrian Association of Engineers and Architects), Vienna.

OELLACHER, Dr. Josef, ausserordentlicher Professor (University of Innsbruck).

PACCHIOTTI, Dr. Iacinto (City of Turin), Professor in the Royal University of Turin.

PACHECO, Dr. Modesto Martinez y Gutierrez (War Ministry of Spain, and Spanish Society of Hygiene), Sub-Inspector of Military Hygiene, Madrid.

PAGLIANI, Dr. L., Professor of Hygiene, Direttore della Sanità pubblica del Regno d'Italia (Ministry of the Interior, Rome, Board of Health for the Kingdom of Italy, and University of Padua).

PARÉNSKI, Prof. Dr. Stanislaus, Town Councillor (City of Cracow).

PASTEUR, M., de l'Académie Française, et de l'Académie des Sciences (Government of France).

PAWLEWSKI, Prof. Bonisl. (Polytechnicum of Lemberg).

PAWLIKOWSKI, Dr. Ant., City Physician (City of Lemberg).

PELC, Dr. Ignaz, Sanitätsreferent (Provincial Council of Health for Bohemia, and Imperial Universal Hospital of Prague), Prague.

PETERMAN, Prof. Dr., Attaché à l'Hôpital Militaire de Moscou (Russian Government).

PFEIFFER, Dr., Geheim Obermedizinalrath (Government of Hesse-Darmstadt).

PIC PARIS, Eugène (Société Protectrice de l'Enfance d'Indre et Loire), Tours.

PIERSON, N. G. (Government of the Netherlands and Statistical Institute of the Netherlands), Docteur en droit, Président de la Banque des Pays Bas, Amsterdam.

PIET, Jules, Membre du Jury à l'Exposition Internationale de 1889 (Société des Ingénieurs Civils) Paris.

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PINARD, Prof. (Faculty of Medicine of Paris).

PISTOR, Dr., Königlich Preussischer Geheimer Ober-Medicinalrath (German Government), Berlin.

PLETZER, Dr., Bremen (German Government).

POINCARÉ, Léon, Professor of Hygiene (Faculty of Medicine of Nancy).

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PONFICK, Dr., Geheimer Medicinalrath, Direktor des Pathologischen Institute, ordentlicher Professor in der Medic. Facultät (Royal University of Breslau).

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POST, Major Jas. C., Corps of Engineers, U.S. Army, Military Attaché to the Legation of the United States at the Court of St. James (American Society of Civil Engineers), c/o U.S. Legation, London.

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PRESL, Dr. Ferd., k. k, Bezirksarzt (City of Jicin, Bohemia).

PRINCE, Dr. Morton (Board of Health of Boston, Massachusetts).

PROBST, Prof. Chas. O., M.D., Secretary of the State Board of Health of Ohio (American Public Health Association), Columbus, Ohio.

PROUST, Dr., Inspecteur Général des Service Sanitaires, Professeur d'Hygiène à la Faculté de Médecine de Paris (Government of France, Ministry of Public Instruction, Faculty of Medicine of Paris, and Société de Médecine Publique et d'Hygiène professionnelle).

PUTZEYS, Prof. Félix (Belgian Government, University of Liége, and Société Royale de Médecine Publique de Belgique), Liége.

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RUBIO Y AMOEDO, Don Federico (City of Madrid).

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SCHEIBE, Dr., Stabsarzt, königl. preuss. Kriegsministerium (Imperial German Government), Berlin.

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VON SCHOLTZ, Herr, Bau-Inspector (City of Breslau).

SCHÖNFELD, Dr., Geheimer Obermedicinalrath, vortragender Rath im Ministerium der geistlichen, Unterrichts-u. Medicinalangelegenheiten (German Government), 124, Kürfürstenstrasse (Courbière Str.), Berlin, W.

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SCHUSTER, Dr. (Bavarian War Ministry), Munich.

SCHWAZ, Dr. Johann (City of Abbazia).

SEIFMANN, Dr. Peter, Director of the Veterinary College of Lemberg (that College).

SELL, Dr., Kaiserlicher Geheimer Regierungsrath (German Empire).

SERKOWSKI, Stan., Engineer (Technical Association of Cracow).

SIEBREICH, Carl, fürstl. Esterhazy'scher Central-Architekt (Austrian Association of Engineers and Architects), Vienna.

SIEVERS, Regierungsrath, &c., Brunswick (German Government).

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SOCQUET, Dr. Médecin-légiste (Commission des Logements Insalubres de Paris).

SOUBOTITCH, Dr., Voïslav, Chirurgien en chef de l'Hôpital Central de l'Etat à Belgrade (Government of Servia).

SPATUZZI, Prof. Achille (City of Naples), Chef du bureau municipal d'Hygiène.

VON STACH, Friedrich Ritter, Baurath (Austrian Association of Engineers and Architects, and Austrian Society of Hygiene), Vienna.

STEKOULIS, Dr. C. (Government of the Netherlands), Délégué de S.M. la Reine des Pays Bas au Conseil International Sanitaire de Constantinople.

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STÜBBEN, Stadtbaurath J. (German Association for Public Hygiene), Köln am Rhein.

Süss, Friedrich, k. k. Rath (Chamber of Commerce and Industry for Lower Austria), Vienna.

Suzor, Comte de, Architecte en chef de la Ville (City of St. Petersburgh).

Symons, M. (Royal Institute of Engineers of the Netherlands), Rotterdam.

Szpilman, Dr. Joseph (University of Lemberg).

Tamaro, Dr. Johann, k. k. Bezirksarzt (City of Volocza, Istria).

Tauffer, Prof. Dr. Wilhelm (Medical Faculty of Budapest University).

Tésidé, Dr. Aristide (Scientific and Literary Society of Jassy, Roumania).

Theim, A., Civil Engineer (German Engineer's Association), Leipzig.

Thomson, Dr. B. H., Médecin principal de Ière classe (Ministry of Marine of the Netherlands), The Hague.

Tihanyi, Dr. Sam., Honorary Chief Physician of the City (City of Debreczin).

Tittinger, Dr. Hermann, k. k. Bezirksarzt (City of Kotzenau).

Trélat, Emile, Professeur au Conservatoire National des Arts et Métiers, Directeur de l'Ecole d'Architecture (Société des Ingénieurs Civils), Paris.

Tsubai, Dr. Jiro (Imperial University of Tokyo), Japan.

Vaillant, M., Conseiller Municipal, M.R.C.S. Eng (City of Paris).

de Valbreuze, M., Chef du Bureau de l'Hygiène publique au Ministère de l'Intérieur (Government of France).

Van de Velde, Guillaume, Pharmacien, Membre et Secrétaire de la Commission Médicale Provinciale, Membre de la Commission Sanitaire de l'Escaut à Anvers (Belgium, Ministry of Agriculture, &c.).

de Vaux, Dr. (Administration of Statistics, Belgium).

Vavra, Prof. Anton (Bohemian Polytechnicum of Prague).

Verhassel, H., Président d'Honneur de la Société de Pharmacie d'Anvers (that Society), Antwerp.

Vilanova y Piera, Don Juan (Goverment of Spain), President of the Health Section of the Royal Academy of Medicine.

Vintras, Dr. A. (Government of Persia).

Vintras, Dr. Louis (Governments of France and Persia), 19a, Hanover Square, W.

Vogl, Prof. Dr. Aug., Hofrath, Vice-President of the Imperial and Royal Superior Council of Health, Vienna (Austrian Government).

Wales, Dr. Philip S., Medical Director U.S. Navy (Navy Department, U.S.A.)

Wallon, M. (Société de Médecine publique et d'Hygiène professionnelle de Paris).

DE WANDRE, Victor, Chirurgien en chef de l'hôpital Ste. Élizabeth (Hospices Civils d'Anvers), Antwerp.

WARTMAN, Dr. Charles Lewis, Professor of Hygiene at the College of Geneva (Society of Hygiene, Geneva).

WATKINS, Dr. W. W. (State of Idaho), Moscow, Idaho, U.S.A.

WEICHSELBAUM, Prof. Dr. Ernst, Imperial and Royal Superior Council of Health, Vienna (Austrian Government).

WITLAČIL, Dr. Andreas, k. k. Bezirksarzt, Vienna (Provincial Council of Health for Lower Austria).

WILLIAMS, Dr. R. A., Olathe, Kansas (Board of Health of Kansas).

WOLFF, Dr. Edmond (Conseil d'Hygiène d'Indre et Loire, and Société Protectrice de l'Enfance d'Indre et Loire), 52, Rue Bernard Palissy, Tours.

WOODHULL, Brevt. Lieut.-Colonel Alfred A. (War Department U.S.A.), Surgeon in the United States Army.

WYMAN, Dr. Morrill (State of Massachusetts), Cambridge, Mass.

ZOLOTOVITCH, Dr. L., Médecin en chef de la Ville de Sofia, Membre du Conseil supérieur Médical de Bulgarie (Bulgarian Government).

ALPHABETICAL LIST OF FOREIGN GOVERNMENTS, CORPORATIONS, SOCIETIES, AND OTHER BODIES, WITH NAMES OF DELEGATES.

ARGENTINE REPUBLIC.

Argentine Republic, Department of Public Health:

Coni, Dr. Emilio R., Director of the Demographic Bureau.

Cobos, Dr. Francisco.

AUSTRIA.

Austria, Government of:

Kusý, Dr. Em., Ministerialrath, Member of the Imperial and Royal Superior Council of Health: Imperial and Royal Ministry of the Interior, Vienna.

von Hofmann, Dr. Ed. Ritter, Professor of Legal Medicine, President of the Imperial and Royal Superior Council of Health: Imperial and Royal Ministry of the Interior, Vienna.

von Gruber, Professor Franz Ritter, Hofrath: Imperial and Royal Superior Council of Health, Vienna.

Weichselbaum, Professor Dr. Ernst: Imperial and Royal Superior Council of Health, Vienna.

Gruber, Professor Max, Imperial and Royal Ministry of Education and Public Worship, Vienna.

Vogl, Professor Dr. Aug., Hofrath (Vice-President of the Imperial and Royal Superior Council of Health): Imperial and Royal Ministry of Education and Public Worship, Vienna.

Migerka, Dr. Fr., Ministerialrath: Imperial and Royal Ministry of Commerce, Vienna.

Ludwig, Prof. Dr. Ernst, Hofrath (President of the VI. Congress of Hygiene): Imperial and Royal Ministry of Finance, Vienna.

Hueppe, Dr. Ferdinand (Extraordinary Professor of Hygiene at the German University of Prague): Imperial and Royal Ministry of Education and Public Worship, Vienna.

Austria, K.K. Statistische Central-Commission:

von Juraschek, Dr. Franz Ritter, k.k. Regierungsrath, Secretär der k.k. statist. Central-Commission.

Grotte, Dr., Chief City Physician, Brüx, Bohemia.

Lower Austria, Provincial Government of (Vienna):
GAUSTER, Dr. M. (Director of the Vienna Lunatic Asylum).

Lower Austria, Provincial Council of Health for:
WITLAČIL, Dr. Andreas (k.k. Bezirksarzt), Vienna.

Lower Austria, Provincial Scholastic Council of:
BURGERSTEIN, Prof. Dr. Leo, Vienna.

Lower Austria, Technical Association for:
VON NOVELLY, Victor, Engineer, Vienna.

Lower Austria, Chamber of Commerce and Industry for:
SÜSS, Friedrich, k.k. Rath, Vienna.

Austrian Association of Engineers and Architects:
VON GRUBER, Prof. Franz Ritter, Vienna.
VON NOVELLY, Victor, Vienna.
VON STACH, Friedrich Ritter, Baurath, Vienna.
SIEBREICH, Carl, fürstlich Esterhazy'scher Central-Architekt, Vienna.

Austrian Silesia, Provincial Council of Health for (Troppau):
HÜSSERL, Dr. Heinrich, k.k. Bezirksarzt.

Austrian Society of Hygiene:
VON STACH, Friedrich Ritter, Baurath, Vienna.

Abbazia, City of:
GLAX, Dr. Julius.
SCHWAZ, Dr. Johann.

Bohemia, Provincial Council of Health for:
PELC, Dr. Ignaz, Sanitätsreferent.
GINTL, Prof. Dr. Wilh.

Brünn, Technical College of:
FRAUER, Professor Dr. Leop., Civil Engineer.

Brüx (Bohemia), City of:
GROTTE, Dr., Chief City Physician.

Bukowina, Provincial Council of Health for the (Czernowitz):
KLUCZENKO, Dr. Basil, Sanitätsreferent.

Carinthia, Provincial Council of Health for:
MENSBURGER, Dr. E., Sanitätsreferent, Klagenfurt.

Cracow, City of:
BUSCHEK, Dr. Johann (City Physician).
NIEDZIAKOWSKI, M. (Architect).
PARÉNSKI, Prof. Dr. Stanislaus (Town Councillor).

Cracow, Medical Association of:
PONIKTA, Dr. Stanisl., Reader in the University, and District Physician.

Cracow, Technical Association of:
SERKOWSKI, Stan., Engineer.

Cracow, St. Lazarus Hospital:
HARAJEWICZ, Dr. Ladisl.

Czernowitz, City of:
RÖHMER, Dr. August (City Physician).

Dalmatia, Provincial Council of Health for (Zara):
IVANICZ, Dr. Gustav, Sanitätsreferent.

Galicia, Provincial Council of Health for (Lemberg):
MERUNOWICZ, Dr. Jos., Sanitätsreferent, Stadthaltereirath.
CRYZÉWICZ, Dr. Adam, President of the Provincial Council of Health, Professor of Midwifery.

Graz, University of:
KLEMENSIEWICZ, Prof. Dr. R.
ESCHERICH, Prof. Dr. Th.

Graz, Chamber of Commerce of:
KLEMENSIEWICZ, Prof. Dr. R.

Graz, Physicians' Society of:
ESCHERICH, Prof. Dr. Th.

Innsbruck, University of:
KRATTER, Dr. Julius, Professor of Hygiene and Forensic Medicine.
OELLACHER, Dr. Josef, Ausserordentlicher Professor.

Jicin (Bohemia), City of:
PRESL, Dr. Ferd., k.k. Bezirksarzt.

Lemberg, City of:
PAWLIKOWSKI, Dr. Ant. (City Physician).

Lemberg, University of:
SZPILMAN, Dr. Joseph.

Lemberg, Veterinary College of:
SEIFMANN, Dr. Peter (Director).

Lemberg, Polytechnicum of:
PAWLEWSKI, Professor Bonisl.

Lemberg, Chamber of Commerce of:
KOLISCHER, Dr. Heinrich.

Moravia, Provincial Government of (Brünn):
FANDERLIK, Dr. J., Member of the Reichsrath.

Moravia, Provincial Council of Health for (Brünn).
SCHÖFL, Dr. Robert, Sanitätsreferent.

Prague, Bohemian University of:
MACKNER, Dr. Em., Professor of Internal Medicine.
JANOVSKY, Prof. Dr. Victor.
REINSBERG, Dr. Jos., Dean of the Faculty of Legal Medicine.

Prague, German University of:
HUEPPE, Dr. Ferd., Professor of Hygiene.

Prague, Imperial Universal Hospital of:
PELC, Dr. Ignaz.

Prague, Bohemian Polytechnicum:
VAVRA, Prof. Anton.

Prague, German Polytechnicum:
GINTL, Prof. Dr. Wilh.

Prague, Association of Bohemian Physicians:
HALÍK, Dr. M., Physician to the Bohemian Government.

Reichenberg (Bohemia), Chamber of Commerce and Industry of:
BACH, Dr. Hugo, Directeur du Bureau Municipal de Statistique.

Tyrol, Provincial Council of Health for (Innsbruck):
KRATTER, Dr. J., Professor of Hygiene.

Vienna, City of:
STENZEL, Dr. Anton, Town Councillor and Staff-Surgeon (retired).

Vienna, University of:
VON HOFMANN, Prof. Dr. Ed. Ritter.
LUDWIG, Prof. Dr. Ernst.
GRUBER, Prof. Dr Max.

Vienna, Imperial and Royal Society of Physicians:
GRUBER, Prof. Dr. Max.

Vienna, Wiener Medicinisches Doctoren Collegium:
VON BRENNERBERG, Dr. Franz.
STÖHR, Dr. Josef, Chefarzt der k. k. priv. oesterr. ungar. Staatseisenbahn.

Volocza (Istria), City of:
TAMARO, Dr. Johann, k. k. Bezirksarzt.

Wilkowitz (Moravia), Ironworks of:
MUNK, Dr., Physician to the Ironworks.

(*See* HUNGARY *for Delegates from that Kingdom.*)

BELGIUM.

Belgium, Ministry of Agriculture, &c.:
BÉCO, M. (Secrétaire Général du Département de l'Agriculture, &c.; Chef de l'Administration du Service de Santé).
DESGUIN, Victor, M.D. (Membre de l'Académie Royale de Médecine, &c.).
DEVAUX, Alfred, M.D. (Inspecteur Général du Service de Santé au Département de l'Agriculture, &c.).
FÉLIX, Jules, M.D., Brussels.
LAET, Frédéric de, Greffiier de la Province d'Anvers (Membre et Secrétaire de la Commission Sanitaire de l'Escaut à Anvers).
VAN DE VELDE, Guillaume (Pharmacien, Membre et Secrétaire de la Commission Sanitaire de l'Escaut à Anvers).

Belgium, Ministry of War:
LOGIE, Dr. V., Médecin de régiment de IIème classe, Bruges.

Belgium, Académie Royale de Medecine:
JANSSENS, Dr. E., Inspecteur en Chef de l'Hygiène à Bruxelles Membre du Conseil Supérieur d'Hygiène et de la Commission Centrale de Statistique de Belgique.
KUBORN, Prof. Dr. Hyacinthe, Seraing-Liége.

Belgium, Société Royale de Médecine Publique de Belgique.
KUBORN, Dr. Hyacinthe (Président de la Société, &c.).
PUTZEYS, Dr. F. (Professeur d'Hygiène à l'Université de Liége).
SCHREVENS, Dr. (Professeur d'Hygiène à l'Ecole Normale, Tournai).
JORISSENNE, Dr. G. (Secrétaire provincial de la Société).

Belgium, Société Belge des Ingénieurs et des Industriels:
GENIS, Louis Paris.

Belgium, Administration of Statistics:
DE VAUX, M. le Dr.

Aix La Chapelle, City of:
HEUSER, Carl, Regierungs-und Stadtbaumeister.

Antwerp, City of:
DESGUIN, Dr. Victor, Conseiller Communal.

Antwerp, Hospices Civils:
DE WANDRE, Victor, Chirurgien en Chef de l'Hôpital Ste Élisabeth.

Antwerp, Société de Pharmacie:
VERHASSEL, H.

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DENIS, Hector (Professeur de Psychologie logique et Philosophie morale à la Faculté des Sciences Naturelles).
DESMETH, Edouard (Professeur d'Hygiène à la Faculté de Médecine).

Ghent, City of:
DUTRY, Dr. Félix.

Ghent, University of:
VAN ERMENGEM, Dr., Professor of Bacteriology and Hygiene.

Liége, University of:
PUTZEYS, Prof. Félix (nominated by the Belgian Government).
FIRKET, Prof. Charles.

Liége, Province of, Société de Salubrité et d'Hygiène Publique.
KUBORN, Prof. Dr. Hyacinthe.

BULGARIA.

Bulgaria, Government of:
SARAFOFF, Dr., Médecin en Chef de l'Armée Bulgare, Membre du Conseil Supérieur Médical de Bulgarie.
ZOLOTOVITCH, Dr. L., Médecin en Chef de la ville de Sofia, Membre du Conseil Supérieur Médical de Bulgarie.

DENMARK.

Denmark, Government of:

BANG, Dr. B., (Professor at the Royal Agricultural and Veterinary College of Copenhagen).

LEHMANN, Dr. J., M.D. (Dean of the Royal Sanitary Council and Knight of the Order of the Dannebrog).

Denmark, Ministry of War (Army Department):

LAUB, Dr. H., Chief Surgeon of the Royal Guards, Copenhagen.

Denmark, Ministry of War (Navy Department):

BERG, Hans V., Medical Director of the Royal Danish Navy.

Copenhagen, City of:

BORUP, Burgomaster R.

LANGE, Dr. C.

Copenhagen, Technical Association of:

AMBT, C., Chief City Engineer.

MEYER, F. F., Chief of the City Department of Streets and Sewers.

SCHMIDTH, Olaf, Architect.

EGYPT.

Egypt, Government of:

GREENE, Dr. H. R., Pacha (Director of the Sanitary Department).

IBRAHIM, Dr. Hassan, Pacha (Inspector of the Sanitary Department and Professor of Hygiene).

FRANCE.

France, Government of:

BERGERON, Dr. (Secrétaire perpétuel de l'Académie de Médecine, Vice-Président du Comité Consultatif d'Hygiène de France).

BÉRENGER-FÉRAUD, Dr. (Président du Conseil Supérieur de la Marine).

BROUARDEL, Dr. P. (Président du Comité Consultatif d'Hygiène publique de France, Doyen de la Faculté de Médecine de Paris).

CHAUVEAU, M. (Membre de l'Institut, Inspecteur Général des Services Vétérinaires, Président de la Société de Médecine publique et d'Hygiène professionelle).

COLIN, Dr. Léon (Membre de l'Académie de Médecine, Médecin Inspecteur Général de l'Armée).

MARTIN, Dr. A. J. (Secrétaire de l'Assistance publique).

MONOD, M. (Directeur de l'Assistance et de l'Hygiène publiques au Ministère de l'Intérieur).

France, Government of—*continued.*

NAPIAS, Dr. (Inspecteur Général des Services Administratifs au Ministère de l'Intérieur, Secrétaire Général de la Société de Médecine publique et d'Hygiène professionnelle).

PASTEUR, M. (de l'Académie Française et de l'Académie des Sciences).

PROUST, Dr. (Inspecteur Général du Service Sanitaire, Professeur d'Hygiène à la Faculté de Médecine de Paris).

VALBREUZE, M. de (Chef du Bureau de l'Hygiène publique au Ministère de l'Intérieur).

VINTRAS, Dr. Louis.

France, Delegated by the Minister of Public Instruction, &c. to represent La Médecine Française:

BERGERON, Dr. (Secrétaire perpétuel de l'Académie de Médecine de Paris).

BROUARDEL, Dr. P. (Membre de l'Académie de Médecine de Paris).

BUDIN, M. (Membre de l'Académie de Médecine de Paris).

CHARPENTIER, Dr. (Membre de l'Académie de Médecine de Paris).

CHAUVEAU, M. (Membre de l'Institut, Inspecteur Général des Écoles Vétérinaires).

COLIN, Dr. Léon (Membre de l'Académie de Médecine de Paris).

GARIEL, Prof. C. M. (Membre de l'Académie de Médecine de Paris).

JACQUEMET, M. (Professeur à l'École Nationale d'Agriculture de Montpellier).

MANGENOT, Dr. (Président d'honneur de la Société des Médecins-Inspecteurs des Écoles de la ville de Paris).

PROUST, Dr. (Membre de l'Académie de Médecine de Paris).

ROUSSEL, Théophile (Sénateur, Membre de l'Académie de Médecine de Paris).

France, Ministry of War:

LONGUET, M., Médecin Major de Ière classe, attaché à la Section Technique du Service de Santé au Ministère de la Guerre.

SCHNEIDER, M., Médecin Major de Ière classe, attaché à la Direction du Service de Santé au Ministère de la Guerre.

France, Ministry of Agriculture:

RAILLET, Prof. A., École Vétérinaire d'Alfort.

France, Ministry of Marine:

HYADES, Dr., Médecin Principal de la Marine.

France, Ministry of the Colonies:

ALGLAVE, Dr.

France, Assistance Publique:

DEROUIN, M. H., Secrétaire Général de l'Assistance Publique.

KREMER, M. Phillipe, Ingénieur.

France, Association Française pour l'Avancement des Sciences :
GARIEL, Prof. C. M.

France, Société Zoologique de :
BLANCHARD, Dr. R.
RAILLIET, Professeur à l'École Vétérinaire d'Alfort.

France, Societé Odontologique de :
SAINT-HILAIRE, M., Secrétaire Général de la Société.
LAWRENCE, W. H., Professeur à l'École Dentaire de France.

Paris, City of :
LEVRAUD, Dr. L., Président du Conseil Municipal de Paris, Membre du Conseil d'Hygiène de la Seine.
BECHMANN, M., Ingénieur en chef de l'Assainissement.
MASSON, M., Inspecteur du Service de l'Assainissement.
LAUNAY, M., Ingénieur de l'Assainissement.
BERTILLON, Dr., Chef du service de la Statistique municipale.
BOUHON, Frédéric, Architecte-expert.
BROUSSE, Dr. Paul, Conseiller Municipal.
CHAMPOUDRY, M., Conseiller Municipal.
DAVRILLÉ DES ESSARDS, M., Conseiller Municipal.
LAMPUÉ, M., Conseiller Municipal.
STRAUSS, M., Conseiller Municipal.
VAILLANT, M., Conseiller Municipal, M.R.C.S. Eng.

Paris, Commission des Logements Insalubres :
BOUHON, Frédéric, Architecte-expert.
HUDELO, L., Civil Engineer.
SOCQUET, Dr., Médecin-légiste.

Paris, Faculty of Medicine of :
BROUARDEL, Dr. P., Dean of the Faculty.
BOUCHARD, Prof.
CORNIL, Prof. V.
PROUST, Prof.
GARIEL, Prof. C. M.
PINARD, Prof.
BLANCHARD, Dr.

Paris, Société Française d'Hygiène :
CHEVANDIER (DE LA DRÔME), Dr.
DE PIETRA SANTA, Dr. Prosper.

Paris, Société de Médecine Publique et d'Hygiène Professionnelle :
BECHMANN, M.
BROUARDEL, Dr. P.
BRÜLL, Achille.
CHAUVEAU, Dr.
COHEN, M.
CORNIL, Prof.
DESCHAMPS, M.
HERSCHER, Charles.
LEDÉ, M.
MARTHA, M.

Paris, Société de Médecine Publique et d'Hygiène Professionnelle—*continued:*

MARTIN, Dr. A. J.
DU MESNIL, M.
NAPIAS, Dr.
NEUMANN, M.
PROUST, Dr.
WALLON, M.

Paris, Société de Médecine Pratique:

DIGNAT, Dr. P.
DUCHAUSSOY, Dr., Secrétaire Général de l'Association des Dames Françaises.

Paris, Société des Ingénieurs Civils:

BOUNIOL, Léon, Ingénieur des Arts et Manufactures.
BRÜLL, Achille, Ingénieur Civil.
CACHEUX, Emile.
GAGET, Emile.
HERSCHER, Ch., Vice-Président de la Société des Ingénieurs Civils.
SALOMON, Georges.
TRÉLAT, Emile, Professeur au Conservatoire National des Arts et Métiers, Directeur de l'École d'Architecture.
HUDELO, L., Répétiteur à l'École Centrale.
PIET, Jules, Membre du Jury à l'Exposition Internationale de 1889.
BONNA, Aimé.

Paris, Société d'Hygiène de l'Enfance:

FÉRET, M., Librarian of the Society.

Paris, Société pour la Propagation de la Crémation:

SALOMON, Georges.

Paris, Union Internationale des Sciences et des Arts:

BRÈS, Mme. Madeleine, Docteur en Médecine.
LYON, Mlle. Rose.

Bordeaux, Faculté de Médecine de:

LAYET, Dr., Professeur d'Hygiène.

Indre et Loire (France), Department of, Conseil d'Hygiène:

WOLFF, Dr. Edmond.

Indre et Loire, Société Protectrice de l'Enfance:

WOLFF, Dr. Edmond.
PIC PARIS, Eugène.

Lille, Faculty of Medicine of:

ARNOULD, Dr. Jules (Professeur d'Hygiène à la Faculté).

Lille, City of:

FAUCHER, Léon (Adjoint au Maire).

Loire Inférieure (France), Department of:

LEDUC, Dr. S. (Professeur à l'École de Médecine de Nantes).

Lyons, City of:

ROUX, Dr. Gabriel, Directeur du Bureau Municipal d'Hygiène.

Meurthe et Moselle (France), Department of:

ANDRÉ, Charles, Architecte, Nancy.

Nancy, City of:

DELCOMINETE, M., Adjoint au Maire, Professeur à l'École Supérieure de Pharmacie de Nancy.

Nancy, Faculty of Medicine of:

POINCARÉ, Léon, Professeur d'Hygiène.

Reims, City of:

HENROT, Dr. Henri (Mayor).

HOËL, Dr. (Directeur du Bureau Municipal d'Hygiene et de Statisque).

La Rochelle (France), Société des Amis des Arts:

ALQUIER, Louis Auguste, Commissaire de la Marine.

Rouen, Société Normande d'Hygiène Pratique:

LAURENT, Dr. Armand.

HUE, Dr. François, Chirurgien des Hôpitaux de Rouen, Professeur suppléant à l'École de Médecine.

Saint Etienne, City of:

FLEURY, Dr. Claude M.

Seine (France), Préfecture of the:

JOSIAS, Dr. Albert, Médecin des Hôpitaux de Paris, Médecin Inspecteur des Etablissements Sanitaires de Paris.

Seine (France), Department of, Conseil d'Hygiène et de Salubrité:

BEZANÇON, F., Chef de la IIème Division à la Préfecture de Police.

NOCARD, Edm., Professeur à l'École Vétérinaire d'Alfort, Membre du Comité Consultatif des Epizöoties.

FAUCHER, Léon, Ingénieur du Gouvernement Français.

Seine Inférieure (France), Department of, Conseil Central d'Hygiène:

CERNÉ, Dr., Rouen.

DEBOUT, Dr., Rouen.

DESHAYES, Dr., Rouen.

DOUARD, M., Rouen.

BORDEAUX, M. Rouen.

Vosges (France), Department of, Conseil Central d'Hygiène.

GEBHART, Dr., Épinal.

GERMANY.

Germany, Government of:

Von Seiten des Deutschen Reichs wird als Delegirter entsendet werden:—

1. SELL, Dr., Kaiserlicher Geheimer Regierungsrath, ordentliches Mitglied des Kaiserlichen Gesundheitsamtz zu Berlin.

Germany, Government of—*continued.*

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2. VON COLER, Dr., Königlich Preussischer Wirklicher Geheimer Ober-Medizinalrath, General-Stabsarzt der Armee und Abtheilungschef im Kriegs-Ministerium zu Berlin.
3. SCHÖNFELD, Dr., Königlich Preussischer Geheimer Ober-Medizinalrath zu Berlin.
4. PISTOR, Dr., Königlich Preussischer Geheimer Medizinalrath im Königlichen Polizei-Präsidium zu Berlin.
5. GROSSHEIM, Dr., Königlich Preussischer Generalarzt, Klasse und Abtheilungschef im Kriegs Ministerium zu Berlin.
6. EMMERICH, Dr., Königlich Bayerischer Universitäts-Professor zu München.
7. LEHMANN, Dr., Königlich Bayerischer Universitäts-Professor zu Würzburg.
8. GÜNTHER, Dr., Präsident des Königlich Sächsischen Landes-Medizinal-Kollegiums zu Dresden.
9. VON KNAPP, Königlich Württembergischer Director und Vorstand des Statistischen Landesamts zu Stuttgart.
10. BÜCKLING, Dr., Königlich Württembergischer Ober-Stabsarzt, Klasse und Garnisonarzt zu Stuttgart.
11. VON KOCH, Dr., Königlich Wurttembergischer Ober-Medizinalrath zu Stuttgart.
12. HARDECK, Dr., Grossherzoglich Badischer Geheimrath, Mitglied des Internationalen Statistischen Institutes und Vorstand des Statistischen Büreaus zu Karlsruhe.
13. PFEIFFER, Dr., Grossherzoglich Hessischer Ober-Medizinalrath und vortragender Rath im Grossherzoglich Hessischen Ministerium des Innern und der Justiz zu Darmstadt.
14. VON HESSE, Dr., Grossherzoglich Hessischer Medizinalrath und Kreisarzt zu Mainz.
15. BLASIUS Dr., Vorstands-Vorsitzender des Vereins für öffentliche Gesundheitspflege im Herzogthum Braunschweig, Stabsarzt a. D., und Professor, Dozent der Hygiene an der Herzoglichen Technischen Hochschule zu Braunschweig.
16. SIEVERS, Regierungsrath und Vorstand des Statistischen Büreaus des Herzoglichen Staats-Ministeriums zu Braunschweig.
17. PLETZER, Dr., Mitglied des Gesundheitsraths zu Bremen.
18. KLAUS, Dr., Medizinalrath zu Hamburg.
19. KNAPP, Dr., Universitäts-Professor und derzeitiger Rector der Kaiserlichen Universität zu Strassburg i/E.
20. GOETZ, Dr., Grossherzoglich Ober-Medizinalrath.

Bavaria, Government of:
EMMERICH, Dr. R. (Professor in the University of Munich).
LEHMANN, Dr. Bernhard (Professor in the University of Würzburg).

Bavaria, Ministry of War:
BUCHNER, Dr. Hans, k. k. Stabsarzt.
SCHUSTER, Dr.

Berlin, City of:
BÖCKH, Dr. R.

Bonn, University of:
FINKELNBURG, Prof. Dr., Geheimer Rath.

Breslau, City of:
SIMON, Dr. H., Member of the Municipal School Board.
VON SCHOLTZ, Herr, Bauinspector.

Breslau, Royal University of:
PONFICK, Prof. Dr., Geheimer Medicinalrath, Direktor des Pathologischen Instituts.

Dresden, City of:
NIEDNER, Dr.

Freiburg in Baden, University of:
BÄUMLER, Dr. Christian, Direktor der Medicinischen Clinik.

Brunswick, Society of Public Hygiene:
LANDAUER, T.

German Association for Public Hygiene (Frankfort-on-Main):
STÜBBEN, J., Stadtbaurath, Koeln am Rhein.

German Union of Physicians' Associations:
GRAF, Dr. C., Elberfeld.

German Engineers' Association:
HENNEBERG, R., Civil Engineer, Berlin.
HERZBERG, A., Civil Engineer, Berlin.
THIEM, A., Civil Engineer, Leipzig.
HEGENER, Manufacturer, Kalk, bei Koeln am Rhein.

Hanover, Society of Public Hygiene of:
GUERTLER, Dr., Sanitätsrath, President of the Society.
KIRCHNER, Dr.

Hesse-Darmstadt, Grand Ducal Government of:
PFEIFFER, Dr., Geheimer Ober-Medicinalrath, Darmstadt.
VON HESSE, Dr., Grossherzoglicher Kreisarzt, Medicinalrath, Mainz.

Kotzenau, City of:
TITTINGER, Dr. Hermann (k. k. Bezirksarzt).

Magdeburg, City of:
BOEHM, Dr. L., Medicinalrath und Kreisphysikus.

Saxony, Minister of the Interior:
GÜNTHER, Dr., Praesident des Landesmedicinalcollegium.
BECKER, Dr. (for the Province of Leipzig).
FLINZER, Dr., Medicinalrath (for the Province of Zwickau).

Saxony—*continued.*

ERDMANN, Dr., Obermedicinalrath (for the Province of Dresden).

HESSE, Dr. Medicinalrath (for the Province of Bautzen).

Saxony, War Department of:

ROTH, Prof. Dr. W., Generalarzt I. Klasse.

LÜBBERT, Dr. A., k. s. Stabsarzt.

Württemberg, War Ministry of:

BÜCKLING, Dr. Oberstabsarzt II. Klasse.

GREECE.

Greece, Government of:

GENNADIUS, His Excellency M. J., Minister resident in London, 5, St. James's Street, S.W.

Athens, University of:

BOUSSAKIS, Dr., Président de la Société Médicale d'Athènes.

HOLLAND (*See* NETHERLANDS).

HUNGARY.

Hungary, Royal Ministry of Education and Public Worship:

MARKUSOVSZKY, Dr. Ludwig, Ministerialrath.

FODOR, Prof. Dr. J.

RÓZSAHEGYI, Dr. Aladár, Professor of Hygiene.

Hungary, General Council of Public Health for the Kingdom of:

CSATÁRY DE CSATÁR, Councillor Dr. Louis.

Arad, City of:

KEMÉNY, Dr. Julius, Spitalarzt.

Budapest, Municipality of:

GEBHARDT, Dr. Ludwig.

KRESZ, Dr. Géza.

ADLER, Dr. Sigmund.

Budapest, Communal Authorities of:

KRESZ, Dr. Géza, Metropolitan Head Officer of Health.

ADLER, Dr. Sigmund.

HABERHAUER, Johann (Magistratsrath, Chief of the Municipal Hygiene Department).

KÖRÖSI, Josef (Director of the City Statistical Office).

MÜLLER, Dr. Koloman (Director of the Rochus Hospital).

KRICK, Dr. Arpád, Bezirksarzt.

Budapest, Medical Faculty of the University of :
HÖGYES, Prof. Dr. Andreas.
LAUFENAUER, Dr. Carl, Professor der Psychiatrie u. Nervenkrankheiten.
TAUFFER, Prof. Dr. Wilhelm.

Budapest, Physicians' Association of :
FODOR, Prof. Dr. J.
HÖGYES, Prof. Dr. Andreas.

Budapest, Society of Hygiene of :
LAUFENAUER, Prof. Dr. Carl.

Budapest, Volunteer Salvage Association of :
KRESZ, Dr. Géza, Metropolitan Head Officer of Health.
KOVÁCH, Dr. E. Aladár.

Bielitz, City of :
FISCHLER, Dr. Alex. (Physician to the City).

Debreczin, City of :
TIHANYI, Dr. Sam., Honorary Chief Physician of the City.

Debreczin, Medical and Pharmaceutical Association of :
SÁRVÁRY, Dr. Gyula, Chief City Physician.
LEGÁNYI, Dr. Gyula, Professor in the Commercial Academy.

Grosswardein, Town of, and Medical and Pharmaceutical Society of :
BERKOVICS, Dr. Franz.
BECS, Dr. Emil Ludwig.

Kaschau, City of :
MOSKOVITS, Dr. Jakob, Chief Physician of the City.

Kolozsvár, University of :
RÓZSAHEGYI, Dr. Aladár, Professor of Hygiene.

ITALY.

Italy, Government of :
CORRADI, Alfonso, Commendatore, Professor in the University of Pavia.
MOSSO, Dr. Angelo, Professor in the Royal University, Turin.

Italy, Ministry of the Interior :
PAGLIANI, Prof. Dr. L.

Italy, Board of Health for the Kingdom :
PAGLIANI, Prof. Dr. L.

Bologna, University of :
CORRADI, Professor Alfonso, Commendatore.

Lombardy, Royal Institute of :
CORRADI, Professor Alfonso, Commendatore.

Naples, City of :
SAMBON, Dr. Louis.
SPATUZZI, Professor Achille, Chef du bureau municipal d'hygiène.

Padua, University of:
PAGLIANI, Dr. L., Professor of Hygiene.

Pavia, University of:
CORRADI, Prof. Alfonso, Commendatore.

Rome, City of:
CELLI, Cav. Angelo, Ordinary Professor at the Royal University and Director of the Experimental Institute of Hygiene.

Turin, City of:
PACCHIOTTI, Dr. Iacinto, Professeur à l'Université.

Turin, Royal University of:
MOSSO, Prof. Dr. Angelo.

JAPAN.

Japan, Government of:
GOTOH, Dr. Shimpei.

Tokyo, Imperial University of:
TSUBAI, Dr. Jiro, Assistant Professor in the College of Medecine.

MEXICO.

Mexico, Government of:
FEJADA Y GUZMAN, Dr. Carlos.
MUÑOZ SANCHEZ, Dr. Francisco.

NETHERLANDS.

Netherlands, Government of the:
VAN OVERBEEK DE MEYER, Dr. G. (Prof. d'Hygiène à Université de l'État à Utrecht).
DE MEYER, Colonel Dr. W. J., Médecin Militaire principal de Ière Classe.
PIERSON, N. G., Doct. en droit, Amsterdam.
RUYSCH, Dr. W. P., Conseiller pour le Service Sanitaire au Ministère de l'Intérieur.
STEKOULIS, Dr. C., Délégué de S.M. la Reine des Pays Bas au Conseil International Sanitaire de Constantinople.

Netherlands, Ministry of the Colonies of the:
MASTHOFF, Capt. J. A. B., Médecin Militaire de Ière Classe.

Netherlands, Ministry of Marine of the:
THOMSON, Dr. B. H., Médecin Principal de Ière Classe.

Netherlands, Royal Institute of Engineers of the:
SYMONS, M., Engineer.

Netherlands, Statistical Institute of the:
PIERSON, N. G., Docteur en Droit.

Netherlands, Medical Association of the:
VAN DOOREMAAL, Dr. J. C., The Hague.

Amsterdam, City of:
SALTET, Dr. R. H., Director of the Municipal Sanitary Service.

Amsterdam, University of:
FORSTER, Dr. J., Professor of Hygiene.
STOKVIS, Dr. B. J., Professor of Medicine.

NORWAY (*See* SWEDEN AND NORWAY).

PERSIA.

Persia, Government of:
MIRZA MOHAMMED ALI KHAN, His Excellency General, Envoy of H.I.M. the Shah at the Court of St. James.
VINTRAS, A., M.D., Physician to the French Hospital, London.
VINTRAS, L., B.Sc., M.R.C.S., L.R.C.P.

PORTUGAL.

Portugal, Government of:
ALCOCHETE, Baron de, Attaché à la Légation du Portugal à Paris.
DA SILVA AMADO, Councillor Dr. José Joaquim, Professor at the Medico-Chirurgical School of Lisbon, and Director of the Infirmary of the Hospital of St. José.

Lisbon, City of:
DA SILVA AMADO, Councillor Dr. J. J (Professeur à l'École de Médecine, Directeur du service d'Hygiène de la municipalité).

ROUMANIA.

Roumania, Government of:
FÉLIX, Dr. J., Professeur d'Hygiène à la Faculté de Médecine de Bucarest, Membre du Conseil Sanitaire Supérieur de Roumanie.
FOTINO, A., Général de Brigade, Médecin Inspecteur.
DANESCO, Dr. Jean, Médecin de Régiment.

Roumania, Ministère de l'Assistance Publique:
CLEMENT, Dr. Eraclius, Médecin en chef des Hôpitaux Civils de Roumanie.

Jassy (Roumania), Society of Physicians and Naturalists of:
BOGDAN, Dr. Geo.

Jassy, Municipality of:
KONYA, Dr. S., Physician in Chief of the City of Bucharest.

Jassy, Society of Physicians and Naturalists of:
KONYA, Dr. S., Doctor of Chemistry.

Jassy, Scientific and Literary Society of:
TÉSIDÉ, Dr. Aristide.
KONYA, Dr. S.

RUSSIA.

Russia, Imperial Government of:
DUNCAN, Dr. N. (Privy Councillor of State), St. Pétersbourg.
PETERMAN, Prof. Dr., Attaché à l'Hôpital Militaire de Moscou.

Odessa, City of:
BARDACH, Z.

St. Petersburg, City of:
SUZOR, Comte de, Architecte en Chef de la Ville de St. Pétersbourg.

Warsaw, City of:
POLAK, Dr. S., City Physician.

Warsaw, Imperial University of:
KOWALKOWSKI, Constantin, Professeur ordinaire d'Hygiène à la Faculté de Médecine.

SERVIA.

Servia, Government of:
GEORGEVITCH, Colonel Dr. Vladan, Président du Conseil Supérieur de Santé du Royaume de Serbie.
SOUBOTITCH, Dr. Voïslav, Chirurgien en Chef de l'Hôpital Central de l'État à Belgrade.

Belgrade, City of:
MICHEL, Dr. Edouard.

SPAIN.

Spain, Government of:
VILANOVA Y PIERA, Don Juan, President of the Health Section of the Royal Academy of Medicine.

Spain, Ministry of the Interior:
BELMAS, Don Mariano, Engineer.

Spain, War Ministry of:

DE LARRA Y CEREZO, Dr. Angel.

PACHECO, Dr. Modesto Martinez y Gutierrez, President of the Spanish Society of Hygiene, Sub-inspector of Military Hygiene.

Spain, Society of Hygiene of:

PACHECO, Dr., Modesto Martinez y Gutierrez.

GARCIA FARIA, Don Pedro.

Barcelona, City of:

GARCIA FARIA, Don Pedro, Chief Engineer.

Barcelona, University of:

RODRIGUEZ MENDEZ, Dr. Rafael, Professor of Public Hygiene.

Madrid, City of:

RUBIO Y AMOEDO, Don Federico.

SWEDEN AND NORWAY.

Sweden and Norway, Government of:

LINROTH, Dr. Klas, Chief City Physician of Stockholm.

BENTZEN, Dr. Gotfred Eugen, Director of the Civil Medical Service, Christiania.

Christiania, University of:

HOLST, Axel, Agrégé à la Faculté de Médecine.

Stockholm, City of:

LINROTH, Dr. Klas, Chief Physician of the City.

SWITZERLAND.

Switzerland, Government of:

GUILLAUME, Dr., (Directeur du Bureau Fédéral de Statistique).

MILLIET, Dr. E. W., Directeur de la Régie fédérale des Alcohols (en sa qualité de Membre de la Commission internationale nommée pour le VIème Congrès d'Hygiène tenu à Vienne).

SCHMID, Dr. (Rapporteur fédéral pour les questions d'Hygiène).

Switzerland, Military Department of:

GÖLDLIN DE TIEFENAU, Colonel Dr. (Instructeur en chef des troupes sanitaires suisses), Lucerne.

MURSET, Capitaine Dr. (Adjoint du Médecin en chef de l'Armée).

Geneva, Comité International de la Croix Rouge:

D'ESPINE, Prof. Dr. Adolphe.

Geneva, University of:

D'ESPINE, Dr. Adolphe, Professeur de Pathologie interne à la Faculté de Médecine.

Geneva, Société d'Hygiène:

WARTMAN, Dr. Charles Lewis, Professor of Hygiene at the College of Geneva.

Lausanne, University of:

RAPIN, Dr. Oscar, Professeur à la Faculté de Médecine.

TURKEY.

Ottoman Government:

NAIM, Colonel, Bey, Constantinople.

UNITED STATES OF AMERICA.

United States of America, Department of Agriculture:

SALMON, Dr. D. E., Chief of the Bureau of Animal Industry in the U.S. Department of Agriculture, Washington, D.C.

United States of America, Navy Department:

WALES, Dr. Philip S., Medical Director U.S. Navy.

United States of America, Treasury Department:

GODFREY, Dr. John.

United States of America, War Department:

WOODHULL, Brevt. Lieut.-Colonel Alfred A., Surgeon in the United States Army.

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BACTERIOLOGY.

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THE RELATIONS OF THE DISEASES OF ANIMALS TO THOSE OF MAN.

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INFANCY, CHILDHOOD, AND SCHOOL LIFE.

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CHEMISTRY AND PHYSICS IN RELATION TO HYGIENE.

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ARCHITECTURE IN RELATION TO HYGIENE.

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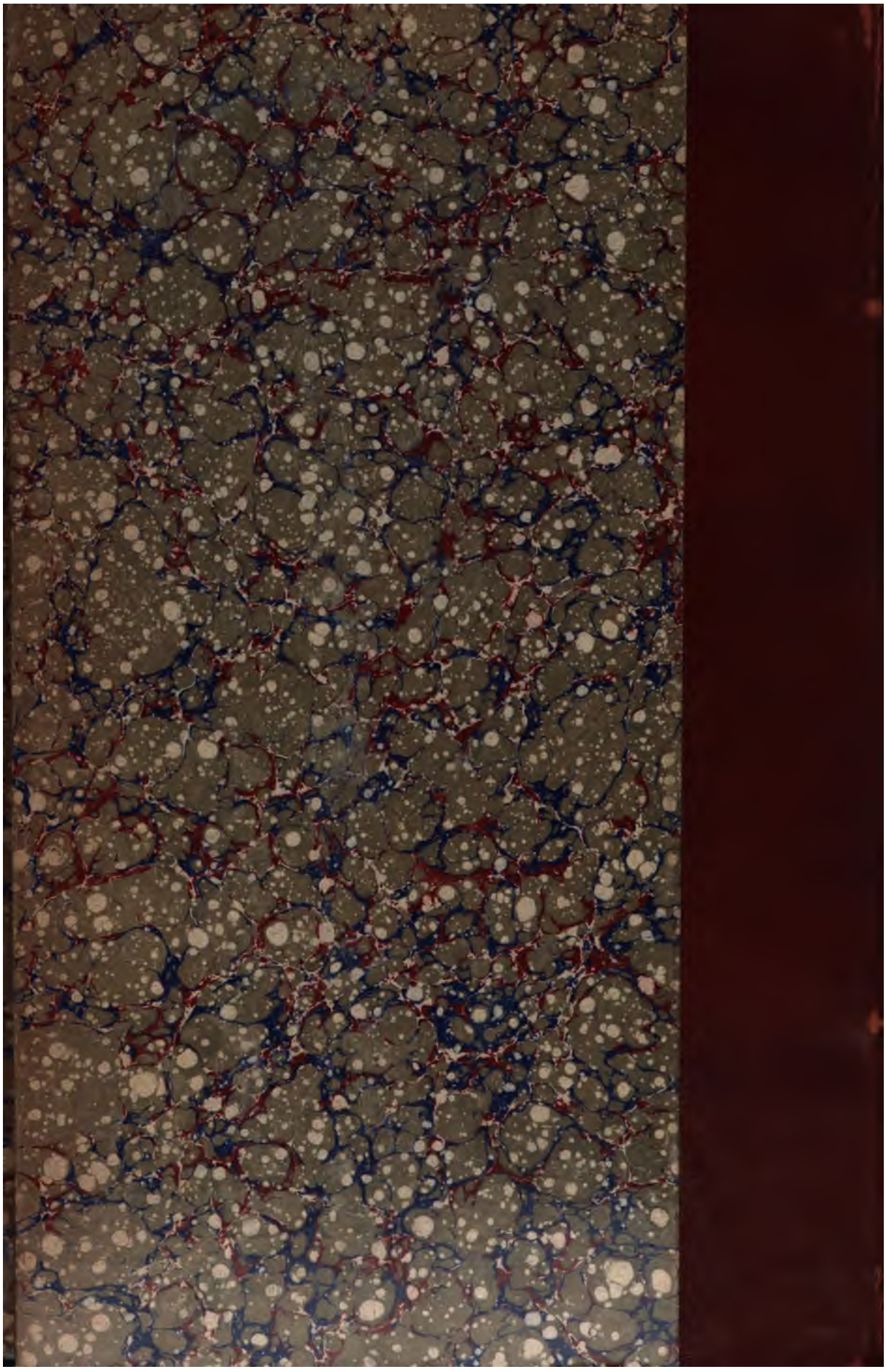
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